➢ Chapter Three

Interfacing Powergold 2000 and the UDS II

This chapter is *not* a substitute for the *Powergold 2000 User Manual.* In fact, while all steps in this chapter are outlined clearly, it presumes you have at least some degree of familiarity with the Powergold 2000 music scheduling software.

Please read the *Powergold 2000 User Manual* before proceeding with this chapter. Don't worry, we'll wait right here. Remember: No cheating, there will be a pop quiz on this material later. Yes, *really.*

Done? Great. Let's get right down to business.

You Are Here → ✖

By this time, you should have already unpacked, assembled, and thoroughly tested the UDS II system hardware. The hardware is often said to be the "body" of the system. If this is true, then the software is the UDS II's "mind."

The Utilities for the UDS II software, the Powergold 2000 music scheduling software, and (if applicable) your traffic and billing software all work together to create a complete, integrated schedule of every event you will play on the air. The integrated schedule is called a *playlist.* The UDS II stores information about each song in your playlist in a special file called a *music library* or *database*. The UDS II stores the location of each disc in the CD players in the *tray maps*.

This chapter guides you in the creation of these three critical files and on the use of the Utilities for the UDS II package. The preceding two chapters of this manual took you step-by-step, in a linear stream of instructions, through the UDS II hardware assembly process. Due to the more complex nature of the Powergold 2000/UDS II software interface, this chapter digresses occasionally to explain the functions of a feature of the Utilities for the UDS II that you are using at that time.

Don't panic. Every step is covered in great detail, and you will be told which sections of the Utilities are mandatory and which are optional but handy for best UDS II operation. You need not absorb every detail of these optional features on your first reading of this chapter. You should re-read this chapter after the UDS II is up and running to gain a better understanding of how the Utilities can make using your UDS even easier.

What You Need to Get Started

Software

Powergold 2000 music scheduling software (version 3.00 or later)

Utilities for the Ultimate Digital Studio II software (version 9.3 or later)

Ultimate Digital Studio II control software (version 2.00 or later)

Hardware

UDS II hardware package (assembled per instructions in chapter two)

Computer for Powergold 2000 music scheduling

Ten blank, formatted diskettes (must fit both the Powergold 2000 and the UDS II computers)

VERY IMPORTANT: The Powergold 2000 computer and the UDS computer *must* have at least one identical diskette drive. For example, if the UDS computer uses only 3½" 1.44 MB diskettes, the Powergold 2000 computer *must* also have a 3½" 1.44MB diskette drive.

Miscellaneous

A telephone next to the computer (for installation codes and technical support)

Notepad and pen (you will probably want to take some notes along the way)

Approximately three hours of your time (for self-guided training and setup)

Introduction

Micropower Corporation's Powergold 2000 and On Air Digital's Ultimate Digital Studio II (UDS II) can and do work quite well together. Just a few moments of your time are required to read this document. Additional time should be allocated for possible Powergold 2000 data entry modification as well as set up and configuration.

Please remember that On Air Digital is a separate entity from Micropower Corporation and Powergold 2000. Questions that deal with the operation and optimization of Powergold 2000 are not within the province of On Air Digital. For example, On Air Digital is unable to deal with issues such as, "Why did Powergold 2000 schedule two songs by Brave Combo this hour?" Likewise, Powergold 2000 and Micropower Corporation cannot be responsible for issues that are purely UDS II related, such as, "How do I setup rotating digital audio cart breaknotes?"

Micropower Corporation and On Air Digital have a cooperative working relationship and it is in the interest of both companies that your UDS II system work well with Powergold 2000. Each company does have its own area of expertise, and if On Air Digital tells you, "That's a Powergold 2000 issue," it is not because of a desire to "pass the buck," it is because the people associated with Powergold 2000 are better equipped to address your concerns.

This document assumes that you have already installed Powergold 2000 Version 3.00 or greater on your computer. You should also be familiar with the operation of Powergold 2000, including navigation through its screens and menus, music database entry, scheduling and how to set up its testing parameters, particularly how to enable machine separation.

Powergold 2000 Configuration

These steps should be taken prior to installing your Utilities for the UDS II software. If a trainer from On Air Digital is scheduled to assist with system setup and the training of your staff, these steps should take place before the trainer arrives.

Please have your Powergold 2000 User's Manual handy as you work on this section.

1. Enter a unique song identifier for each song to be played in UDS II in the Powergold 2000 "CD Number" and "Track" fields.

In order for the UDS II to properly find each song, your music library data must be entered so that the "CD Number" field and the "Track" field, taken together, comprise a *unique* song identifier.

For songs on compact disc, the "CD Number" is a unique *disc* identifier containing one to four characters (inclusive) and the "Track" field is the zero-padded cut number, between 01 and 99 (inclusive), indicating the song's location on that compact disc.

For songs on UDS-HD, the "CD Number" is the four-character *cart* number, as entered on the digital audio hard-drive, and the "Track" field is filled by 00 (zero zero) to alert UDS II that this is a UDS-HD song.

You *must* make certain that each song identifier in the library is unique. UDS II uses the song identifier, the combination of "CD Number" and "Track," to create an index key in the UDS II F5 Music Database. Powergold 2000, on the other hand, uses an index-based system to maintain its music entries. As a result, it is possible to have two or more different songs with the same "CD Number" and "Track" field combination in Powergold 2000's music library. Powergold 2000 will not show this as an error, but it will cause the UDS II's "unique key" index method to retain only one of these songs in its music database.

Note: Because Powergold 2000 allows both letters and numbers in the "Track" field, a frequent source of problems revolves around entering an O (oh) instead of a 0 (zero) for the cut number. The Utilities for the UDS II expect the cut number to be just that, a number. If you ever create a schedule that shows a song on CD with a cut of zero (and it appears correct in Powergold 2000), carefully check the entry in Powergold 2000. Pay particular attention to the "Track" field and making sure there is not an "oh" where a "zero" was intended.

Powergold 2000 Configuration, continued

2. Enter the basic information for each song in the music library.

Each song in the Powergold 2000 music library must have at least the following fields completed for proper operation. You may, for scheduling or format purposes, complete as many fields as you wish within the confines of Powergold 2000, but UDS II only uses and recognizes the fields in the following list:

Field Name	Description
Title	Name of the song
Artist	Performer of the song (individuals should be entered Lastname, Firstname)
CD Number	A unique disc identifier for songs on compact disc, or a unique cart number for UDS-HD songs
Track	The cut number on the disc for songs on compact disc or "00" as a flag to indicate songs on UDS-HD
Intro 1	Musical ramp in seconds and hundredths of seconds
Runtime	Length of the song in minutes and seconds
Ending Style	Type of song ending (C for cold, F for fade, M for multiple-track songs)
Machine #	UDS II audio source number (see item #3 below for more information)
Index	UDS II segue instruction (see item #4 below for more information)

3. Enter the source number for each song in the Automation > Machine # field.

Powergold 2000 uses the UDS II source number, as stored in the Machine # field on the Automation tab, to automatically prevent back-to-back source conflicts. Every song scheduled by Powergold 2000 must have this information for proper UDS II playback.

Note: It is important for you to adopt a consistent numbering scheme for source numbers in the "Machine #" field of Powergold 2000. While the UDS II and the Utilities for the UDS II recognize "01" and "1" as the same numeric source number, Powergold 2000 sees these as different text entries and will treat them as different, non-conflicting sources. This inconsistency will likely result in unwanted back-to-back source scheduling conflicts and is to be avoided at all costs.

Powergold 2000 Configuration, continued

- *If the song is stored as UDS-HD music on hard drive*—The number you enter *must* match the *lowest* of the UDS-HD audio sources. (If your UDS II is operational, you can easily determine the UDS-HD audio source numbers by pressing M from the UDS II's main screen. Otherwise, refer to the "equipment file" paperwork shipped with your UDS II.)

  For instance, if the configured UDS-HD sources are 5, 6, and 9, then *all* UDS-HD songs in your Powergold 2000 music library must have a "5" in the "Machine #" field. The UDS II will resolve apparent source conflicts between UDS-HD events when each song is in the UDS II's Next to Air window.

- *If the song is stored in a CD changer with one CD player*—The number you enter *must* match the actual UDS II source number for that CD changer.

  For instance, if CD "1021" is stored in the CD changer on source number two, then *all* instances of CD "1021" in your Powergold 2000 music library must have a "2" in the "Machine #" field.

- *If the song is stored in a CD changer with two CD players*—the number you enter *must* match the *lower* of the two UDS II source numbers for that CD changer. UDS II automatically resolves which player to use in a dual-player changer at import time.

  For instance, if CD "5719" is stored in the dual-player CD changer on source numbers three and four, then *all* instances of CD "5719" in your Powergold 2000 music library must have a "3" in the "Machine #" field.

Important: You need not *manually* enter this information for songs to be played from compact disc. The Utilities for the UDS II's Tray Map program will automatically update the Powergold 2000 database for all CD identifiers entered into the tray maps.

4. Enter segue instructions for each song in the Automation > Index field.

Depending on the source of the music you plan to play through the UDS II, an entry of "0" or "1" may be required in the Index field on the Automation tab of each song from that UDS II source.

- *Compact discs from some broadcast programming providers* (such as TM Century and Broadcast Programming, Inc.) have *index subcodes* included in the digital data that make up each song. These index subcodes can be used to cause the UDS II to segue upon detection of the index. When configured to segue by index, UDS II ignores the database run time of the song. This allows UDS II to segue properly at the index point even if an incorrect run time is entered.

Powergold 2000 Configuration, continued

To segue using these index subcodes, enter a "0" into the Index field. (This is the default value.)

Note: You may override the index subcodes for a song by entering a "1" into the Index field. This is not recommended but it is an available option. When set to "1," the song segues on run time.

- *Compact discs obtained through traditional retail outlets* or from some other broadcast programming providers do not have this index subcode. For these songs, UDS II *must* be instructed to segue when the elapsed time of the song equals the run time specified in the UDS II music library. Events that segue by run time are referred to as *time compare* events.

  To segue on run time, enter a "1" into the Index field.

- *UDS-HD music on hard-drive songs* all have an *Aux mark* that may be used to cause the UDS II to segue upon detection of the Aux mark.

  To segue using this Aux mark, enter a "0" into the Index field. (This is the default value.)

  As with music on compact disc, you may also choose to force the UDS II to ignore the code and segue based on the run time specified in the UDS II music library.

Note: When a song has been defined as a time compare song, it is your responsibility to ensure that the run time is accurate for that song. Incorrect run times will result in poor performance by the UDS II when segueing out of these songs.

Important: Songs scheduled to play from multiple-tracks (with an "M" code in the Ending field) must also be defined as time compare songs (with a "1" in Index field) regardless of the source of that compact disc.

Powergold 2000 Configuration, continued

5. Enable Source Separation in Powergold 2000 to prevent back-to-back errors in UDS II.

Powergold 2000 protects against back-to-back player errors on a category by category basis. To setup this protection, choose the Categories button and examine the Source Separation options in the middle of the window for each category. A check in the adjacent box enables that option and an empty box indicates a disabled option.

- *If you are using UDS-HD music on hard-drive exclusively*—Enable CD Number Separation only. The UDS II resolves all source conflicts with UDS-HD songs as each song is readied for play in the Next to Air window on the UDS II main screen.

- *If you are using CD changers with only one CD player*—Enable Machine Number Separation only. This prevents Powergold 2000 from scheduling two songs from the same single-player machine back to back.

- *If you are using CD changers with two CD players per changer*—Enable CD Number Separation only. This prevents Powergold 2000 from scheduling two songs from the same compact disc back to back. The UDS II resolves all source conflicts with songs in multiple-player CD changers at schedule import time.

- *If you are using duplicate CD libraries*—Do not enable any form of separation. This method of duplicate CD libraries allows you to schedule any two songs back to back, even the same song if you wish The UDS II resolves all apparent source conflicts at schedule import time.

📖 For more information about Source Separation configuration in Powergold 2000, please see the Categories section of the *Powergold 2000 User's Manual*.

Powergold 2000 Configuration, continued

6. Construct UDS II breaknotes in accordance with the grammar and syntax shown in this chapter, beginning on page 3-11.

The UDS II uses breaknotes to control its time-update function, to control external relays, to schedule stopsets and other non-music digital audio events, and to control various other external events. The scheduling of breaknotes is done in Powergold 2000's clocks, using the breaknote commands, which are explained on the next page.

The use of breaknotes allows you to preset certain places in each hour for an event to occur. Regular breaknotes occur at a specific *position* in the schedule. Time-specific breaknotes occur at a specific *time* in the hour.

Important! Be sure to set each UDS II breaknote up as its own element in the Powergold 2000 format clock editor.

To insert breaknotes in Powergold 2000's clocks, see "Format Clock Maintenance" in the *Powergold 2000's User's Manual*.

UDS II Breaknote Commands

You can use breaknote commands to tell the UDS II to perform a variety of actions, or events. However, it is necessary to use special breaknote codes to schedule these events. With the following explanations and examples (and a little practice), you can easily harness the full resources of Powergold 2000 and UDS II. This section explains each breaknote command and illustrates the syntax and format of each. This is followed by examples, notes and a handy reference chart.

There are two major types of breaknote commands—those that occur at a specific *position* in the schedule and those that occur at a particular *time* in the schedule. Breaknote commands based on a specific position are executed as they come up in the natural sequence of the schedule. Time-specific breaknote commands are stored in a special holding list (or *array*) and executed at the scheduled time even if their original position in the schedule is not "next to air" at that time.

IMPORTANT: If you upgraded from Powergold for DOS or another music scheduler, you will notice that this breaknote command structure is *similar* but *not identical* to the structure with which you are familiar. In the Powergold 2000 breaknote command structure, "duration" and "source" are stored separately from the main "body" of the breaknote command.

The following is an example of a *Powergold for DOS* breaknote command. It tells UDS II to carry out a time-specific event—turn on utility relay four at 20 minutes past the hour, for a duration of 10 seconds.

```
~10 ^84 :20:00 [4]
```

That looks a bit complicated. However, if we separate the breaknote command into its component parts, it is not as complicated as it looks.

`~10` tells UDS II that the relay should be turned on for 10 seconds.

`^84` identifies this as a breaknote that turns on a utility relay.

`:20:00` specifies that the relay should be activated at exactly 20 minutes past the hour.

`[4]` identifies utility relay 4 as the relay to turn on at 20 minutes past the hour.

The *Powergold 2000* breaknote command is even simpler. Enter the length, in minutes and seconds, for the breaknote command in the `Duration` field on the Main tab and the UDS II source number in the `Source` field on the Automation tab. The rest of the breaknote command is entered, in the old style, into the `Description` field on the Main tab.

The example breaknote command above would have `:20:00 [4]` in the `Description` field with `00:10` in the `Duration` field and `84` in the `Source` field.

UDS II Breaknote Commands, continued

Breaknote Command Syntax

IMPORTANT! UDS II sources are determined by your UDS II equipment file. While source 10 is usually pre-configured as the "live studio" source and source 9 is usually configured for digital audio playback, your UDS II may vary. Check the equipment file printout included with your system documentation for your system's configuration.

Sources 01 through 79 are reserved as normal UDS II audio input sources. Sources 81 through 83 and source 90 are used for time-update commands. Sources 84, 85, 94, and 95 are used to turn utility relays on and off. Sources 86 through 88 and source 96 are used to automate system start-up and shutdown. Source 89 loads hotkey files. Source 97 automates UDS II schedule loading. Source 98 displays informational text message on the UDS II main screen. Source 99 is used for spot-catchers, a special type of breaknote used for the merging of your traffic and music logs.

📖 For more information on UDS II source utilization, see Breaknote Source Number Commands beginning on page 3-16.

When entering source numbers into the `Source` field on the Automation tab, you do not need to include the up-caret (^) to make the event "mandatory" or "must play". This is now the *default* condition for all events entered via Powergold 2000 breaknote commands.

However, if you wish to allow non-destructive Time Update 81 to remove an event from the schedule, you must prepend the source number with an at sign (@) just as you did in the old-style breaknotes.

@ (At Sign) "The *non-mandatory* UDS II source number is..."

Format: **@N**
where *N* represents the Source Number

Example: Source: **@9**
Description: {2501} Promo
Duration: 00:30

This tells UDS II that this event uses source number 9 and that this event may be deleted by the UDS II during any type of time-update removal.

IMPORTANT! Do *not* use the @ with a spot-catcher (UDS II Source 99). That would permit commercials gathered in by the spot-catcher to be subject to source 81 non-destructive time-update removal by the UDS II.

UDS II Breaknote Commands—Breaknote Syntax, continued

{} (Brace Pair) "Play this digital audio cart."

Format: **{nnnn}**
where nnnn is a zero-padded four-digit cart number

Example: Source: 9
Description: **{0701}** Jingle
Duration: 00:10

This instructs the digital audio playback device to play cart number 0701.

IMPORTANT! The cart identifier *must* be a *zero-padded* four-digit number. A zero-padded number is one where zeroes are added to the front of a number to make that number contain a certain number of digits. For example, "45" zero-padded to four digits would be "0045".

< (Less Than) When this immediately precedes the text description of a breaknote event, UDS II treats this item as a *time-compare event.*

CAUTION: This should *not* be used with a digital audio event. It overrides the serial-data end-of-message signal (or *Aux mark*) returned by the digital audio playback device. It is best suited for events that do not send an end-of-message signal of any kind, or as "protection" for events where an end-of-message signal should be returned. This flag is also very useful for live events where a fixed or limited time is desired.

Format: **<TEXT**
where *TEXT* represents the text you type in for your breaknote

Example: Source: 10
Description: **<**LIVE NEWS BREAK
Duration: 02:00

This tells the UDS II to put source number 10 on the air for *exactly* 120 seconds, or until PRTSC is pressed, whichever comes first. The UDS II displays the message LIVE NEWS BREAK in both the schedule and on the UDS II screen when this event airs.

UDS II Breaknote Commands—Breaknote Syntax, continued

: (Colon) The colon has two different breaknote uses.

When a colon is placed inside a brace pair, it means: **"Rotate this list of digital audio cart numbers, inclusive."**

Format: **{bbbb:eeee}**,
where bbbb is a zero-padded four-digit beginning number
and eeee is a zero-padded four-digit ending number for the list of carts.

Example: Source: 9
Description: **{1701:1709}** Rotating Jingle
Duration: 00:15

The UDS II Merge program, part of the Utilities for the UDS II, combines your music and traffic logs into a single UDS II playlist that the uses to control all aspects of system operation and audio playback. This "rotate" function allows you to cycle through a sequence of digital audio cuts such as jingles or sweepers. The example above will rotate a list of digital audio carts from 1701 through 1709.

IMPORTANT! While a cart number may normally contain letters, cart numbers you wish to *rotate* must use only *numbers.*

This number is incremented by one each time this breaknote is encountered during the merge process. Merge also remembers the last number scheduled from day to day, thus permitting you to stagger the rotating carts. When using rotating cart numbers, make sure that the digital audio device contains a cart for each number in the sequence.

When a colon is used in conjunction with a **spot-catcher** (source99), it indicates the time-range for the Merge program to consider when gathering spots from the spot log.

Format: **:BM :EM**
where *BM* is the beginning minute and *EM* is the ending second of the time-range

Example: Source: 99
Description: **:00 :17**
Duration: none

This alerts the UDS II Merge program to gather in all spots logged between :00 and :17 minutes after the hour, inclusive, for playback in this break. The ^99 indicates this command is a spot-catcher.

IMPORTANT! It is vital that you account for every possible spot break in every hour! You must arrange spot-catchers to cover every possible time (every minute in every hour, from :00 to :59, inclusive) when a spot could possibly be logged.

UDS II Breaknote Commands—Breaknote Syntax, continued

*** (Asterisk) "Do *not* schedule this cart unless spots are caught by the spot-catcher immediately following this event."**

Format: **{*nnnn}**
where *nnnn* is a zero-padded four-digit cart number

Example: Source: 9
Description: {*5002} Station Promo
Duration: 00:08

Source: **99**
Description: :35: 57
Duration: none

This instructs the merge program to add digital audio cart 5002 to the schedule *only* if spots are actually caught by the spot-catcher immediately following this expression. If the spot-catcher doesn't catch any spots, this item *will not* play.

The format is {*nnnn}, where nnnn is any zero-padded four-digit number. You can also use the asterisk in a rotating breaknote. However, the cart number continues to increment even if no cart is scheduled.

UDS II Breaknote Commands, continued

Breaknote Source Number Commands for Time-Specific Events

81 Non-destructive Time Update

Format: Source: **81**
Description: **:MM:SS**
Duration: none

where *:MM:SS* is the update time, in minutes and seconds past the hour
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

When the current time-of-day matches the update time as specified in the breaknote, UDS II will attempt to remove all events between the on-air event and the event immediately following the time-update breaknote.

If mandatory events are encountered by the non-destructive time update, they are not removed.

The non-destructive time update also protects against back-to-back CD changer errors. The time update routine compares the source number, disc ID, and run time of the event on-the-air with the event following the time update breaknote. An evaluation is made based on the following questions:

- Will the update result in a back-to-back player error?
- Will the update result in a back-to-back CD error?
- Will the update cause a Next Not Ready error?

If the answer to any of the questions above is yes, the time-update routine enters a *pending* mode until a segue occurs. During pending mode, events are not removed from the UDS II schedule.

After the UDS II advances to the next event, the time-update system again compares the on-air event with the event following the time-update breaknote. If conditions allow, the update occurs. If not, the time-update system again enters pending mode until the next segue.

UDS II Breaknote Commands—Time-Specific Events, continued

82 Destructive Time Update

Format: Source: **82**
Description: **:MM:SS**
Duration: none

where *:MM:SS* is the update time, in minutes and seconds past the hour
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

When the current time-of-day matches the update time as specified in the breaknote, *all* events between the on-air event and the event immediately following the breaknote are dropped. The event following the breaknote is moved into the next-to-air position. Both mandatory and non-mandatory events are deleted by the destructive time update command.

Update 82 provides no protection against back-to-back CD changer errors or insufficient reload times. For this reason, update 82 should only be used in situations where the object of the time update is a non-CD event (such as a network news event or digital audio hard-drive event) of sufficient duration as to allow the CD changer to load.

83 Update and Advance

Format: Source: **83**
Description: **:MM:SS**
Duration: none

where *:MM:SS* is the update time, in minutes and seconds past the hour
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

When the current time-of-day matches the update time as specified in this breaknote, all events between the on-air event and the event following the breaknote are deleted. The on-air event is faded out, and the event following the breaknote is placed on-air. This command is useful for network joins where a particular audio source must be turned on at a specific time.

Update 83 provides no protection against back-to-back CD changer errors or insufficient reload times. For this reason, update 83 should only be used in situations where the object of the time update is a non-CD event (such as a network news event or digital audio hard-drive event) of sufficient duration as to allow the CD changer to load.

UDS II Breaknote Commands—Time-Specific Events, continued

84 Utility Relay On

Format: Source: **84**
Description: **:MM:SS [R]**
Duration: **DD:DD**

where *DD:DD* specifies the duration in minutes and seconds, up to and including 60 minutes, for the relay to remain on. If no duration is specified, the relay remains on until a UDS II command 85 or 95 (relay off) is processed. See breaknote command 85 on the next page for more information.

:MM:SS is the time, in minutes and seconds past the top of the hour, when the relay is to be activated.
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

[*R*] Specifies the desired utility relay, from 1 to 4, inclusive.

When the current time-of-day matches the time specified in the breaknote, the utility relay is turned on. If a duration is given in the breaknote, the utility relay will remain on for the specified duration, in seconds, then turn off. If no duration is given, the relay will turn on and remain on until a breaknote command 85 or 95 is processed.

You may activate multiple relays with one breaknote. The relays will be simultaneously activated for the same length of time unless individually deactivated by a command 85 or 95.

Activate multiple relays by stacking the desired utility relay numbers as in this example:

Source: **84**
Description: **:25:00 [1] [3]**
Duration: **04:00**

This example activates utility relays #1 and #3 at 25 minutes past the hour. Unless turned off by a command 85 or 95, these relays will each remain on for four minutes.

UDS II Breaknote Commands—Time-Specific Events, continued

85 Utility Relay Off

Format: Source: **85**
Description: **:MM:SS [R]**
Duration: none

where *:MM:SS* is the time, in minutes and seconds past the top of the hour, when the relay is to be turned off.
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

[R] specifies the number of the utility relay to be turned off, from 1 to 4, inclusive. Multiple relays may be turned off simultaneously with multiple [R] commands.

When the current time-of-day matches the time specified in the breaknote, the utility relay (previously turned on with breaknote command 84 or 94) is turned off.

86 System Stop

Format: Source: **86**
Description: **:MM:SS**
Duration: none

where *:MM:SS* is the time, in minutes and seconds past the top of the hour, when UDS II is to be placed in Stop mode.
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

When the current time of day matches the time specified in the breaknote, UDS II enters Stop mode. All CD changers that are cued to play will put the compact discs away, and the system will stop after the current on-air event concludes.

UDS II Breaknote Commands—Time-Specific Events, continued

87 System Start (Live Control Mode)

Format: Source: **87**
Description: **:MM:SS**
Duration: none

where *:MM:SS* is the time, in minutes and seconds past the top of the hour, when UDS II is to be placed in Live Control mode.
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

When the current time of day matches the time specified in the breaknote, UDS II will advance the schedule to the proper time of day, cue the next scheduled event in the Next to Air window, and go into Live Control (standby) mode. To start the system, press either the PRTSC or the remote start button. The event will play to completion and the system will remain on "standby" until the PRTSC or the remote start button is pressed. If you wish the system to continue playing events as scheduled, press F2 to toggle the UDS II into AutoSegue mode.

88 System Start (AutoSegue Mode)

Format: Source: **88**
Description: **:MM:SS**
Duration: none

where *:MM:SS* is the time, in minutes and seconds past the top of the hour, when UDS II is to be started in AutoSegue mode.
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

When the current time of day matches the time specified in the breaknote, UDS II will advance the schedule to the proper time of day, cue the next scheduled event in the Next to Air window, and start that event as soon as it is ready. Events will continue to play as scheduled until a live studio or other event halts the UDS II.

UDS II Breaknote Commands—Time-Specific Events, continued

90 Fill/Schedule Time Update

Format Source: **90**
Description: **:MM:SS**
Duration: none

where *:MM:SS* is the update time, in minutes and seconds past the hour
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

When a Fill/Schedule time update is pending, at 30 seconds before the end of the event currently on the air the UDS II analyzes next event to see if it can play to completion before the update time. If there is sufficient time, the event will be allowed to play to completion and the Fill/Schedule time update will analyze each following event until the time update has passed. If there is *not* sufficient time to play the analyzed event, *all* events between the on-air event and the event immediately following the breaknote are dropped. A "fill" cart selected from a list of digital audio carts will play for the exact amount of time between the end of the event on-air event and the scheduled time of the Fill/Schedule time update command. Both mandatory and non-mandatory events are deleted by the destructive time update command.

You will need to record a series of digital audio "fill" carts of increasing length. The first cart will play from 1 to 10 seconds, depending on how much time needs to be filled, and must be a minimum of 10 seconds in length. The second cart will play from 11 to 20 seconds, depending on how much time needs to be filled, and must be a minimum of 20 seconds in length. Continue recording digital audio "fill" carts until you have a sufficient number to cover all possible required "fill" times.

These "fill" carts are selected from a list setup in the UDS II Hotkey feature. Name the first list of hotkeys `BACKFIL1.DHK`. Enter the "fill" carts in increasing order by length from 10 second carts to 100 second carts. If you wish to add "fill" carts ranging from 110 to 200 seconds in length, add a second list of hotkeys called `BACKFIL2.DHK`.

Note: This command is only valid if you are using the Computer Concepts DCS digital audio hard-drive system.

Update 90 operates in a manner identical to update 82 and thus provides no protection against back-to-back CD changer errors or insufficient reload times. For this reason, update 90 should only be used in situations where the object of the time update is a non-CD event (such as a network news event or digital audio hard-drive event) of sufficient duration as to allow the CD changer to load.

📖 For more information on the UDS II hotkey editor, see *Alt-H—Hotkeys for DCS* in Chapter Four of this manual.

UDS II Breaknote Commands, continued

Breaknote Source Number Commands for Position-Specific Events

The following breaknote commands are not time-specific; they are executed as the events they precede in the UDS II schedule move into the On the Air window.

89 Load Hotkey Files

Format: Source: **89**
Description: **:MM:SS FILENAME.DHK**
Duration: none

where *:MM:SS* is the load time, in minutes and seconds past the hour

FILENAME.DHK is the name of the hotkey list to be loaded

This loads a hotkey list into memory so the UDS II may access a specific set of digital audio carts without manual intervention. This is often used by satellite programmed stations to switch liners for different air talents or programs.

Note: This command is only valid if you are using the Computer Concepts DCS digital audio hard-drive system.

96 System Stop

Format: Source: **96**
Description: none
Duration: none

This command places UDS II in Stop mode. After the on-air event preceding this breaknote starts, all CD players are unloaded and the system is placed in Stop mode.

97 Load Schedule

Format: Source: **97**
Description: none
Duration: none

When the event following this command moves into the On the Air window on the UDS II main screen, this command loads a single schedule from the default schedule loading directory as configured in the F8 System Configuration window's Path setup. This is often used by people who schedule for the UDS II at a remote location and cannot manually press the F10 key to begin the schedule loading process from the UDS II keyboard.

📖 For more information on UDS II system configuration and path setup, see *F8 System Configuration* in Chapter Four of this manual.

UDS II Breaknote Commands—Position Events, continued

94 Relay On

Format: Source: **94**
Description: **[R]**
Duration: **DD:DD**

where *DD:DD* specifies the duration in minutes and seconds, up to and including 60 minutes, for the relay to remain on. If no duration is specified, the relay remains on until a UDS II command 85 or 95 (relay off) is processed. See breaknote command 95 below for more information.

[R] Specifies the desired utility relay, from 1 through 4, inclusive.

This command is used to turn on one of the four UDS II utility relays. If a duration is specified, the relay will remain on for the specified period of time, then turn off. If no duration is specified, the relay will remain on until a breaknote command 85 or 95 is encountered.

You may activate multiple relays with one breaknote. The relays will be activated simultaneously for the same length of time unless individually deactivated by a command 85 or 95. Activate multiple relays by stacking the desired utility relay numbers as in the following example:

Source: **94**
Description: **[2] [3]**
Duration: **04:00**

This example activates utility relays #2 and #3. Unless deactivated by a command 85 or 95, these relays will each remain on for four minutes.

UDS II Breaknote Commands—Position Events, continued

95 Relay Off

Format: Source: **95**
Description: **[R]**
Duration: none

where *[R]* Specifies the desired utility relay, from 1 through 4, inclusive.

This command is used to turn off one or more of the utility relays (previously turned on with breaknote command 84 or 94). Multiple UDS II utility relays turned on with either the 84 or 94 breaknote command may be turned off individually or with multiple [R] codes in one breaknote command.

Source: **95**
Description: **[1] [4]**
Duration: none

This example deactivates utility relays #1 and #4.

98 Informational Text Message

Format: Source: **98**
Description: **Informational text for UDS II operator**
Duration: none

where *Informational text for UDS II operator* is a text message, up to 40 characters in length.

When this text message is encountered by UDS II, the message is displayed on the information display line at the bottom of the UDS II main screen. The message is displayed when the event immediately following the informational text breaknote moves to the on-the-air window.

An exclamation point (!) may be placed immediately before the text string to make the message flash, to add a sense of urgency to the text message. Activate the blinking text message as in the following example:

Source: **98**
Description: **!Announce contest winners next**
Duration: none

UDS II Breaknote Commands—Position Events, continued

99 Spot-catcher

Format: Source: **99**
Description: **:BM :EM**
Duration: none

where *:BM :EM* is a time-range, with BM representing the Beginning Minute past the top of the hour and EM representing the Ending Minute past the top of the hour

This command tells the Merge program to look at the defined range of times in your commercial log, "grab" all of the events scheduled in that time period, and place them in your schedule at this location during the merge process.

IMPORTANT! You must account for *every* possible spot break in every hour! Arrange spot-catchers to cover every possible time when a spot can be logged. See the examples beginning on page 3-26.

UDS II Breaknote Examples

Now that you know the breaknote commands and their component parts, you can arrange these commands to make your UDS II do many things. For example, you can call for digital audio events, keep the schedule on-time, and set up your music log to be merged with your commercial log. Two of the most useful and popular breaknote commands you can schedule are the spot-catcher and the time-update breaknotes.

The examples that follow more fully explore and describe the proper syntax for breaknotes to schedule the various breaknote commands:

Spot-Catcher Examples

If you are merging music and commercial logs, you must establish spot-catchers in your clocks wherever you want the spot break to occur. These commands tell the Merge program to look at a certain time period in your commercial log, "catch" all of the spots scheduled in that time period, and place them in your schedule at this location during the merge process.

Format: Source: **99**
Description: **:BM :EM**
Duration: none

where *:BM :EM* indicates a time-range where *BM* is the beginning minute and *EM* is the ending minute.

You will need to use several spot-catcher breaknote commands in each hour to cover every minute in each hour. Spots scheduled by traffic but *not* caught by spot-catchers may appear at incorrect times in your merged schedule. In the example below, the Merge program would grab all spots scheduled to play between 12 and 27 minutes after the hour, inclusive.

Example: Source: **99**
Description: **:12 :27**
Duration: none

IMPORTANT! You must account for *every* minute of the hour to cover *every* possible spot break in *every* hour. If, for example, your stop sets are scheduled to occur at 10, 35, and 50 minutes past the hour then your spot-catcher descriptions must resemble the samples below:

RIGHT	WRONG
:00 :18	:09 :14
:19 :44	:33 :38
:45 :59	:47 :53

Much like a baseball catcher must attempt to catch not only strikes but wild pitches as well, the spot-catcher must be wide-ranging enough to catch spots in *every minute of the hour.*

Breaknote Examples, continued

Time-Update Command Examples

81 Non-destructive Time Update is used in situations where precise timing is not critical but excess events must be removed to keep the UDS II on-time and on-schedule while allowing the event on the air to play to completion. Time update 81 removes only "non-mandatory" events (those with `@X`-style source numbers, where `X` represents the UDS II audio source) while leaving "mandatory" events (those with `X`-style or `^X`-style source numbers, where `X` represents the UDS II audio source) such as commercials in the schedule. Music events are normally scheduled as "non-mandatory" events.

This update is "sensitive" to back-to-back CD and CD changer errors and will not remove an event if this removal would result in a Next Not Ready error. These updates are most often used by stations not needing to meet fixed-time events such as network news or other programming. These updates are normally placed just before stop sets to delete unneeded "fill" songs and begin the stop set at a set approximate time.

For example, you want a commercial stop set to play at approximately the bottom of the hour. Since this update allows the event on the air to play to completion and is non-destructive to mandatory events, you need to set the update a minute or two before the desired start time. This allows the UDS II to play the current event to completion before the start of the commercial stop set but does not permit any non-mandatory events to start and seriously delay the start of the stop set. This non-destructive time update also protects you from dead air that could result from accidental back-to-back CD changers across a relatively short commercial stop set.

The example below shows, in context, how the Update 81 breaknote can be used in the Powergold 2000 clock to protect a stop set-preceding promo entered as a mandatory event while removing excess songs and a sweeper entered as a non-mandatory event:

`SONG FROM PLAYER 2` (Song scheduled by Powergold 2000)

Source: `@9` (Non-mandatory digital audio cart)
Description: `{3612} SWEEPER` Duration: `00:10`

`SONG FROM PLAYER 1` (Song scheduled by Powergold 2000)

Source: `9` (Mandatory digital audio cart)
Description: `{4102} AM PROMO` Duration: `00:30`

Source: **`81`** (Non-Destructive Time Update 81)
Description: **`:28:00`** Duration: **none**

Source: `99` (:30 Stop set spot-catcher)
Description: `:25 :39` Duration: none

Breaknote Examples—Time Update Commands, continued

After the Update 81 takes place, the following events will remain on UDS II:

```
SONG ON THE AIR          (Event on the air when the update occurred)
CART #4102 "AM PROMO"    (Mandatory event between on air and time update)
FIRST SPOT IN STOP SET   (Stop set scheduled immediately after time update)
```

82 Destructive Time Update is used in situations where precise timing is not critical but excess events *must* be removed to keep the UDS II on-time and on-schedule while allowing the event on the air to play to completion. Time update 82 removes both "mandatory" and "non-mandatory" events from the schedule.

For example, you want a stop set to begin at approximately the bottom of the hour. Since this update is destructive to all types of events but allows the event on the air to play to completion, you need to set the update a minute or two before the desired start time. This allows the UDS II to play the current event to completion before the start of the stop set but does not permit any new event to begin and seriously delay the start of the stop set.

The example below shows, in context, how the Update 82 breaknote can be used in the Powergold 2000 clock to start a commercial stop set on-time by removing all excess events, even the promo entered as mandatory:

```
SONG                          (Song scheduled by Powergold 2000)

Source: @9                    (Non-mandatory digital audio cart)
    Description: {3612} SWEEPER     Duration: 00:10

SONG                          (Song scheduled by Powergold 2000)

Source: 9                     (Mandatory digital audio cart)
    Description: {4102} AM PROMO    Duration: 00:30

Source: 82                    (Destructive Time Update 82)
    Description: :28:00             Duration: none

Source: 99                    (:30 Stop set spot-catcher)
    Description: :25 :39            Duration: none
```

After the Update 82 takes place, the following events will remain on UDS II:

```
SONG ON THE AIR          (Event on the air when the update occurred)
FIRST SPOT IN STOP SET   (Stop set scheduled immediately after time update)
```

Note: This update is not "sensitive" to back-to-back CD and CD changer errors and will remove an event even if the removal would result in a "Next Not Ready" error. Due caution is advised when using this update and, if your UDS II uses CD changers, it should only be used in situations where the object of the time update is a non-CD event of sufficient duration to allow the CD changer to load.

Breaknote Examples—Time Update Commands, continued

83 Update and Advance Time Update is used in situations where precise timing is *absolutely* critical and excess events, *including* the one currently on the air, must be removed to keep the UDS II on-time and on-schedule.

For example, you want a stop set to begin at *exactly* 30 minutes past the hour. Since this update is destructive and immediate, you need to set the update at one second before the desired start time of the stop set. The UDS II will rapidly fade the event currently on the air and *immediately* start the event following the time update command, deleting any unneeded events between the on-air event and the "target" of the time update.

The example below shows, in context, how such a breaknote would be entered in the Powergold 2000 clock:

`SONG`	(Song scheduled by Powergold 2000)
Source: `@9`	(Non-mandatory digital audio cart)
Description: `{3612} SWEEPER`	Duration: `00:10`
`SONG`	(Song scheduled by Powergold 2000)
Source: `9`	(Mandatory digital audio cart)
Description: `{4102} AM PROMO`	Duration: `00:30`
Source: **`83`**	(Update and Advance Time Update 82)
Description: **`:29:59`**	Duration: **none**
Source: `99`	(:30 Stop set spot-catcher)
Description: `:25 :39`	Duration: none

After the Update 83 takes place, the following event will remain on UDS II:

`SPOT ON THE AIR`	(First element in stop set scheduled immediately after time update *placed on the air* by Update 83)

Note: This update is not "sensitive" to back-to-back CD and CD changer errors and will remove an event even if this removal would result in a "Next Not Ready" error. Due caution is advised when using this update and, if your UDS II uses CD changers, it should only be used in situations where the object of the time update is always a non-CD event of sufficient duration to allow the CD changer to load.

Breaknote Examples—Time Update Commands, continued

90 Fill/Schedule Time Update is used in situations where precise timing is absolutely critical and excess events must be removed to keep the UDS II on-time and on-schedule without fading a song or other event prematurely.

For example, if you want play a station legal ID then a join a network newscast at precisely the top of the hour, since this update is destructive and immediate, you need to set the update at one second before the desired start time of the legal ID. The length of this legal ID must also be accounted for when setting the update time so the UDS II will join the network newscast on time. The UDS II analyzes the next event 30 seconds before it is scheduled to air and, if it is unable to play the event to completion before the scheduled update time, performs the Fill/Schedule time update. UDS II deletes all remaining events up to the update point and, if needed, fills any time remaining from a pre-defined list of "fill" carts, as described on page 3-21.

The example below shows, in context, how such a breaknote would be entered:

Source: **90** (Fill/Schedule Time Update 90)
Description: **:59:52** Duration: **none**

Source: 9 (Station legal ID cart at end of current hour)
Description: {2003} LEGAL ID Duration: 00:07

Source: 5 (Network newscast at top of following hour)
Description: JMS NETWORK NEWS Duration: 01:30

Breaknote Examples, continued

Digital Audio Event Examples

These breaknote commands schedule digital audio events other than those commercials gathered in by spot catchers at specific *positions* in the schedule. These commands are used to schedule jingles, sweepers, stations legal IDs, station promotional announcements, and other non-commercial digital audio.

> **IMPORTANT!** The following examples use UDS II source 9 as the default digital audio hard-drive source. Check the equipment file documentation to see if this is true of your UDS II as well. If not, please substitute the correct source number for 9 when using these breaknote commands to play digital audio events.

➪ To call for a single "mandatory" digital audio event that *cannot* be removed from the schedule by an Update 81 command, use the following format:

```
Source: 9
Description: {1003} HAUNTED HOUSE PROMO
Duration: 00:30
```

This schedules "mandatory" cart number 1003, approximately 30 seconds in duration, to be played from source 9 (the digital audio playback device). The text following the closing brace (up to 39 characters long) describes this event in your UDS II schedule as HAUNTED HOUSE PROMO. If you are using a Computer Concepts DCS for digital audio, the name of the cart, as stored on the DCS, appears in the Ready to Air and On the Air boxes.

➪ To call for a single "non-mandatory" digital audio event that *can* be removed from the schedule by an Update 81 command, use the following format:

```
Source: @9
Description: {1003} HAUNTED HOUSE PROMO
Duration: 00:30
```

This schedules "non-mandatory" cart number 1003, approximately 30 seconds in duration, to be played from source 9 (the digital audio playback device). The text following the closing brace (up to 39 characters long) describes this event in your UDS II schedule as HAUNTED HOUSE PROMO. If you are using a Computer Concepts DCS for digital audio, the name of the cart, as stored on the DCS, appears in the Ready to Air and On the Air boxes.

Breaknote Examples—Digital Audio Events, continued

➪ To schedule a liner or promo to precede a stop set, but you don't want that event to play if there are not any spots scheduled in that stop set, the series of breaknote commands should follow this example:

Source: `9` (Conditional event)
Description: `{*5001} STOP SET INTRO`
Duration: `00:10`

Source: `99` (:20 Stop set)
Description: `:17 :28`
Duration: none

The Merge function of the Utilities for the UDS II will schedule digital audio cart 5001 *only* if the commercial log has spots scheduled between 17 and 28 minutes after the hour, inclusive. If there are no spots within that range, then cart 5001 would not be scheduled.

➪ To schedule a rotating series of digital audio events, use the following format:

Source: `9`
Description: `{7201:7203} MORNING SHOW PROMO`
Duration: `01:00`

This schedules a "mandatory" event, approximately 60 seconds in duration, from source 9 (the digital audio playback device), playing one of three rotating cuts, in order. The text following the closing brace describes this event in your UDS II schedule as MORNING SHOW PROMO. If you are using a Computer Concepts DCS for digital audio, the name of the cart, as stored on the DCS, appears in the Ready to Air and On the Air boxes.

The first time the UDS II Merge program sees this command, it schedules cart number 7201. The second time it schedules cart 7202, the third time cart 7203, the fourth time cart 7201, and so on. In addition, the UDS II Merge program remembers rotations from day to day. If the last cart scheduled on one day by this example command was 7202, the next cart scheduled will be 7203, even in the next day's schedule.

Important: When rotating cart numbers in this manner, be sure that the digital audio hard-drive device contains a valid cart for all numbers specified.

Breaknote Examples, continued

Utility Relay Command Examples

84 Utility Relay On is used to activate one or more of UDS II's four utility relays at a specific *time of day*. These relays can be used to turn on lights, trigger tone generators, or signal any device that will accept a dry contact closure. You may choose to have the relay on for a set period of time by specifying a run time or choose to leave the relay on until deactivated by not specifying a set run time. You may turn on multiple relays simultaneously by stacking relay numbers on one breaknote line.

To activate a single relay (#3 in this example) at 29 minutes and 30 seconds after the hour that you wish to run for exactly 30 seconds, enter the following breaknote:

Source: **84**
Description: **:29:30 [3]**
Duration: **00:30**

To activate a single relay (#2 in this example) at 45 minutes and 15 seconds after the hour that you wish to run until otherwise deactivated, enter the following breaknote:

Source: **84**
Description: **:45:15 [2]**
Duration: none

To simultaneously activate two relays (#1 and #4 in this example) at exactly 05 minutes after the hour that you wish to run until otherwise deactivated, enter the following breaknote:

Source: **84**
Description: **:05:00 [1] [4]**
Duration: none

Breaknote Examples—Utility Relay Commands, continued

85 Utility Relay Off is used to deactivate one or more of UDS II's four utility relays at a specific time of day. You may use this command to turn off relays turned on by commands 84 and 94 whether they were set to run indefinitely or set to run for a specific time. You may turn off multiple relays simultaneously by stacking relay numbers on one breaknote line.

To deactivate a single relay (#2 in this example) at 53 minutes and 45 seconds, enter the following breaknote:

Source: **85**
Description: **:53:45 [2]**
Duration: none

To simultaneously deactivate two relays (#1 and #3 in this example) at exactly 12 minutes after the hour, enter the following breaknote:

Source: **85**
Description: **:12:00 [1] [3]**
Duration: none

Breaknote Examples—Utility Relay Commands, continued

94 Utility Relay On is used. used to activate one or more of UDS II's four utility relays at a specific *position* in the schedule. The relay will be activated as soon as the event this command precedes goes into the On the Air window. These utility relays can be used to turn on lights, trigger tone generators, or signal any device that will accept a dry contact closure. You may choose to have the relay on for a set period of time by specifying a run time or choose to leave the relay on until deactivated by not specifying a set run time. You may turn on multiple relays simultaneously by stacking relay numbers on one breaknote line.

To activate a single relay (#3 in this example) that you wish to run for exactly 30 seconds, enter the following breaknote:

Source: **94**
Description: **[3]**
Duration: **00:30**

To activate a single relay (#2 in this example) that you wish to run until otherwise deactivated, enter the following breaknote:

Source: **94**
Description: **[2]**
Duration: none

To activate two relays (#1 and #4 in this example) that you wish to run until otherwise deactivated, enter the following breaknote:

Source: **94**
Description: **[1] [4]**
Duration: none

Breaknote Examples—Utility Relay Commands, continued

95 Utility Relay Off is used to deactivate one or more of UDS II's four utility relays at a specific *position* in the schedule. The relay will be deactivated as soon as the event this command precedes goes into the On the Air window. You may use this command to turn off relays turned on by commands 84 and 94 whether they were set to run indefinitely or set to run for a specific time. You may turn off multiple relays simultaneously by stacking relay numbers on one breaknote line.

To deactivate a single relay (#2 in this example) enter the following breaknote:

Source: `95`
Description: `[2]`
Duration: none

To simultaneously deactivate two relays (#1 and #3 in this example) enter the following breaknote:

Source: `95`
Description: `[1] [3]`
Duration: none

Breaknote Examples, continued

System Start and Stop Command Examples

86 System Stop is used to automatically place the UDS II into Stop mode at a specific *time of the day*. This command halts all system activity and unloads all CD changers upon completion of the event on the air. This is useful if the UDS II is in an environment where it will remain unused for several hours at a stretch and needs to be "put to sleep" automatically.

To place the UDS II into Stop mode at 58 minutes and 30 seconds after the hour, enter the following breaknote:

Source: `86`
Description: `:58:30`
Duration: none

87 System Start (Live Control Mode) is used to automatically place the UDS II into Live Control mode at a specific *time of the day*. This command resumes normal system activity and reattaches the schedule to match the current time. This is useful if the UDS II is in an environment where it will remain unused for several hours at a stretch and needs to be "woken up" automatically but *not* resume play until started manually.

To place the UDS II into Live Control mode at precisely 03 seconds after the hour, enter the following breaknote:

Source: `87`
Description: `:00:03`
Duration: none

88 System Start (AutoSegue Mode) is used to automatically place the UDS II into AutoSegue mode at a specific *time of the day*. This command resumes normal system activity and reattaches the schedule to match the current time. This is useful if the UDS II is in an environment where it will remain unused for several hours at a stretch and needs to be "woken up" and resume unattended operation automatically.

To place the UDS II into AutoSegue mode at 10 minutes and 30 seconds after the hour, enter the following breaknote:

Source: `88`
Description: `:10:30`
Duration: none

Breaknote Examples—System Start and Stop Command Examples, continued

96 System Stop is used to automatically place the UDS II into Stop mode at a specific *position* in the schedule. This command halts all system activity and unloads all CD changers upon completion of the event on the air. This is useful if the UDS II is in an environment where it will remain unused for several hours at a stretch and needs to be "put to sleep" automatically.

To place the UDS II into Stop mode, enter the following breaknote:

Source: **96**
Description: **:58:30**
Duration: none

Miscellaneous Command Examples

89 Load Hotkey Files automatically loads a stored list of digital audio hotkeys for manual or automatic playback. A specific set of hotkeys may then be triggered from the Alt-keys or by dry contact closures without further user intervention. This command is most frequently used by stations carrying satellite programming as a way to "switch" liners and drops for the various air personalities.

For example, to load a set of carts for evening host Delilah, first create a hotkey list on the UDS II called DELILAH.DHK using the carts you need to play back during her show. Add the following breaknote to the start of each hour that Delilah is on the air:

Source: **89**
Description: **:00:00 DELILIAH.DHK**
Duration: none

You may also change hotkey lists at any time during the hour with the breaknote 89 command. For example, if you wish to load "road report" carts shortly before the scheduled report at 30 minutes past the hour—and you have previously created a hotkey list called ROADS.DHK—then add the following breaknote to your clocks:

Source: **89**
Description: **:29:30 ROADS.DHK**
Duration: none

Breaknote Examples—Miscellaneous Command Examples, continued

97 Load Schedule is used to automatically import a schedule into the UDS II. This is often used when playlist schedules are created and transferred by a person who cannot or does not wish to go to the UDS II keyboard and load them manually. Place this breaknote command in the schedule at a point when the next day's logs will be ready for import but no later than 40 events before the end of the current log. Use the following format:

Source: **97**
Description: none
Duration: none

98 Informational Text Message is used to display messages on the main screen of the UDS II to remind the operator to take readings, promote an upcoming event, or any other message you wish to relay. These messages, up to 40 characters long, are displayed at the bottom of the UDS II screen and, given proper formatting, can even flash to draw attention to themselves.

For example, if you want to remind the operator to promote an upcoming station event, enter the following breaknote:

Source: **98**
Description: **Promo WOAS Fall Festival November 2nd**
Duration: none

If you want the operator to take special notice of the text message, you can make it blink by prepending the text message with an exclamation point, as in this example:

Source: **98**
Description: **!Important-Take Transmitter readings**
Duration: none

Breaknote Examples, continued

Legacy Audio Sources

Legacy audio sources such as reel-to-reel tape players, cart machines, and other devices may also be scheduled and played using breaknotes. The following examples outline the ways these devices may be addressed by the UDS II.

Note: These audio sources must be routed through the A4000 audio controller and be properly configured in your UDS II equipment file. If you need more A4000 input cards or a new UDS II equipment file, please contact On Air Digital USA or the On Air Digital representative in your country for more information.

➪ To schedule an event to be started by contact closure (such as a cart player or tone generator) that will *return an end-of-message closure* to start the next event, use this format:

Source: **XX**
Description: **TEXT DESCRIPTION**
Duration: **DD:DD**

where *XX* specifies the source used by the device.

TEXT DESCRIPTION describes the event or device in the schedule

DD:DD specifies the duration in seconds, up to and including 3600 seconds, for the approximate run time of the event.

For example, if you want to schedule an event approximately 60 seconds in duration, to be played from a device on source 7, to be described as "Sports Minute" in your UDS II schedule and on the UDS II main screen, enter the following:

Source: **7**
Description: **SPORTS MINUTE**
Duration: **01:00**

Note: This breaknote *requires* that the device return an end-of-message signal for the UDS II to proceed to the next event in the schedule. If this device does not return an EOM, the UDS II will remain on this event until the operator starts the next event manually.

Breaknote Examples—Legacy Audio Sources, continued

➪ To schedule an event to be started by contact closure (such as a cart player or tone generator) that will run for a *fixed length of time* before starting the next event, use this format:

Source: **XX**
Description: **<TEXT DESCRIPTION**
Duration: **DD:DD**

where *XX* specifies the source used by the device.

< specifies that this is a time-compare event

TEXT DESCRIPTION describes the event or device in the schedule

DD:DD specifies the duration in seconds, up to and including 3600 seconds, for the maximum run time of the event.

This format should be used for sources that do not provide an EOM (end of message) closure, such as news networks. For example, if you want to schedule an event 60 seconds in duration, to be played from a device on source 7, to be described as "Sports Minute" in your UDS II schedule and on the UDS II main screen, enter the following:

Source: **7**
Description: **<SPORTS MINUTE**
Duration: **01:00**

Note: This breaknote instructs the UDS II to proceed to the next event after the run time has elapsed. However, this is a *maximum* run time and the UDS II will proceed immediately if the devices return an end-of-message signal before the run time has elapsed. manually.

➪ If you want to place a live studio break in your schedule, thus stopping the system at a pre-defined place in the schedule, use the following format:

Source: **10**
Description: **LIVE NEWS/WEATHER BREAK**
Duration: **00:30**

This translates into a live studio break approximately 30 seconds long. Source 10 is the default configuration for the live studio. The text describes the event in your UDS II schedule and on the UDS II main screen as LIVE NEWS/WEATHER BREAK. The system will not advance until PRTSC is pressed or a contact closure is received from source 10.

Notes on Breaknotes

- Powergold 2000 stores breaknote commands in a separate file so each command must be entered into the format clocks individually.

- Unlike the DOS versions of Powergold, Powergold 2000 does *not* "attach" breaknotes to specific song positions so all breaknotes in a given clock will be scheduled even if one or more songs in that clock remain unscheduled.

- If you use the * (asterisk) in conjunction with a contingent digital audio event, the next breaknote command in the schedule *must* be a spot-catcher. If no spot catcher is present, the contingent digital audio event will *never* be scheduled.

- Much as the English language uses single spaces to separate words, there must be exactly one space between each expression in a breaknote.

  For example, the description line of the breaknote

  Source: **9**
  Description: **{1001}MorningPromo**
  Duration: **01:00**

  makes no more sense to the computer than the message

  `It'stheendoftheworldasweknowitandIfeelfine.`

  makes to you when you attempt to read it.

- Treat each part of a breaknote expression as a single word. Too many spaces can do as much harm as too few spaces.

  For example, the description line of the breaknote

  Source: **9**
  Description: **{ 1 0 0 4 } I M A G E P R O M O**
  Duration: **00:45**

  makes no more sense than spacing a phrase in English like this

  `M o r e m u s i c , l e s s t a l k , n o r a p !`

Breaknote Commands Chart

Format Key (for use with Breaknote Syntax chart)	
DD:DD	Approximate length in minutes and seconds
N	Source number
nnnn	zero-padded four-digit digital audio cart number
bbbb:eeee	bbbb is a zero-padded four-digit beginning number and eeee is a zero-padded four-digit ending number
:BM :EM	a time-range, in minutes and seconds past the hour; where BM=the beginning minute, from 00 to 59 and EM=the ending minute, from 00 to 59
:MM:SS	the time, in minutes and seconds past the hour; where MM=minutes, from 00 to 59 and SS=Seconds, from 00 to 59
[R]	Specifies the desired utility relay, from 1 to 4, inclusive

Breaknote Syntax (for use with Format Key chart)		
Command	**Format**	**Description**
@ (At Sign)	@N	The non-mandatory UDS II source number is...
{ } (Brace Pair)	{nnnn}	Play this digital audio cut
: (Colon)	{bbbb:eeee} or :BM :EM or :MM:SS	Rotate this list of digital audio cut numbers or Indicates a time-range for Spot-catchers or Indicates a time for Time-specific events
* (Asterisk)	{*nnnn}	Do *not* schedule this cut unless spots are caught by the spot-catcher following this event
< (Less Than)	<	When this immediately precedes the text description of a breaknote event, UDS II treats this item as a *time-compare event.*

UDS II Breaknote Commands—Commands Charts, continued

Breaknote Source Number Commands for Time-Specific Events			
Source	**Description Text**	**Duration**	**Function**
81	:MM:SS	None	Non-destructive Time Update
82	:MM:SS	None	Destructive Time Update
83	:MM:SS	None	Update and Advance Time Update
84	:MM:SS [R]	Optional	Utility Relay On
85	:MM:SS [R]	None	Utility Relay Off
86	:MM:SS	None	System Stop
87	:MM:SS	None	System Start (Live Mode)
88	:MM:SS	None	System Start (AutoSegue Mode)
90	:MM:SS	None	Fill/Schedule Time Update

Breaknote Source Number Commands for Non-Time-Specific Events			
Source	**Description Text**	**Duration**	**Function**
89	:MM:SS FILENAME.DHK	None	Load Hotkey Files
94	[R]	Optional	Relay On
95	[R]	None	Relay Off
96	(none)	None	System Stop
97	(none)	None	Load Schedule
98	Text Message	None	Informational message displayed on UDS II main screen
99	:BM :EM	None	Spot-catcher

The Utilities for the Ultimate Digital Studio II

Overview

The Utilities for the UDS II are a sort of 'United Nations' for music scheduling software. The Utilities translate files from the Powergold 2000 music scheduling software and the traffic scheduling program into files that can be read by the UDS II.

The Utilities alert you to many common system errors, store the map of your CD changer's trays, and allow you to make last-minute edits and changes to the merged playlist. The Utilities also provide you special analysis and report tools to keep the UDS II running at peak efficiency.

The "Utilities for the UDS II" are ***not*** the same as the "UDS II" itself. The Utilities for the UDS II use their own internal files and configurations, working with text files created by Powergold 2000 and your traffic scheduling program, to create files that the UDS II can use.

Computer Preparation

Before you install the Utilities for the UDS II, you should perform tests on the music scheduling computer to make sure that it is in peak operating condition.

1. **Before installing the Utilities for the UDS II, run ScanDisk or CHKDSK on the music scheduling computer.** If you do not know how to run ScanDisk or CHKDSK and understand its output, please check with your facility's computer expert or system administrator.

   Make sure that ScanDisk (or CHKDSK) reports that the hard disk is free of lost allocation units, crosslinked and/or truncated files as well as corrupted File Allocation Tables. You may also wish to run Disk Defragmenter after ScanDisk but before installing the Utilities for the UDS II.

2. **Make sure that the computer to be used for Powergold 2000 and the Utilities for the UDS II has at least 5 MB of free disk space on the target drive**. Use the DIR command from a DOS prompt or check using Windows Explorer. When you first run Windows Explorer, the amount of free disk space on the C: drive is shown at the bottom center of the screen. If you plan to install the Utilities for the UDS II on a drive other than C:, click once on that drive's icon in Windows Explorer to show the free disk space for that drive.

Utilities for the UDS II, continued

Installation and Configuration

IMPORTANT: You must install the Utilities programs on the Powergold 2000 computer and *not* on the UDS II control computer.

Installing the Utilities for the UDS II

1. Make sure you are at a DOS command prompt (the "C" prompt). The prompt usually looks like this:

   `C:\>` or `C:\WINDOWS>`

Note: If you installed Powergold 2000 on a drive other than `C:`, change to that drive and substitute that drive letter for `C:` in these instructions.

2. Change to the root directory on the drive where Powergold 2000 resides.

   Type C D \ ENTER .

2. Create a new subdirectory for the Powergold 2000/Utilities for the UDS II.

   Type M D SPACE P G 2 K U T I L ENTER .

2. Change to this new subdirectory.

   Type C D \ P G 2 K U T I L ENTER .

3. Insert the "Utilities for the UDS II" diskette into the diskette drive. The diskette drive is usually the A: drive. If you are using drive B:, substitute B: for A: in these instructions.

4. Run the installation program to transfer the files from the diskette onto the hard drive. For your convenience, the name of the installation program is your station's call letters or company name. Type the letter of the diskette drive, a colon, and your call letters or company name (as written on the diskette label) at the prompt.

   For example, if the diskette is in the A: drive and your station is KJIM, type

   A : K J I M ENTER

   If you are installing the Utilities for the UDS II for the very first time, just watch and wait until the system prompt is restored. If you are upgrading from a previous installation of the Utilities for the UDS II, you may be prompted to overwrite existing files. This is normal. Just answer Y to all "Y/N" overwrite queries.

When the `C:\PG2KUTIL>` prompt returns, the installation of your new Utilities for the Ultimate Digital Studio II package is complete.

Utilities for the UDS II, continued

Configuring the Utilities for UDS II

Before the Utilities for UDS II can be used to create, merge, and transfer schedules to the UDS II, the software must be licensed for use on your Powergold 2000 computer and various configuration options must be properly set.

The configuration of the Utilities is divided into four parts:

- Registration (beginning on page 3-48)
- Primary Configuration (beginning on page 3-49)
- Tray Map Configuration (beginning on page 3-52) (for systems with CD changers)
- Merge Configuration (beginning on page 3-57) (for systems with hard-drive audio)

Other options requiring the use of DOS environmental variables are described in great detail later in this chapter. For example, if you are more comfortable with European-style dates, see the *Configuring the Date Display* section on page 3-172.

IMPORTANT: If you wish to create a Windows desktop shortcut to run the Utilities for the UDS II, you must be sure to set "Cmd line" to `C:\PG2KUTIL\POW98.EXE` and "Working" to `C:\PG2KUTIL\` in the shortcut's Properties window. We also recommend running the Utilities with a "Font size" of `8 x 12` or `Auto`.

IMPORTANT: If you are upgrading from Powergold98 or some other music scheduler, then your Utilities for the UDS II were installed in a directory other than `C:\PG2KUTIL\`. Be sure to make a backup of UDS II data files from the Utilities for the UDS II's System Maintenance menu. Restore this data in the new set of Powergold 2000 Utilities as part of a smooth, uninterrupted upgrade process.

Utilities for the UDS II—Configuring the Utilities, continued

Registration

To run the Utilities for UDS II for the first time, use the Windows desktop shortcut described on page 3-47 or type P O W 9 8 ENTER from the C:\PG2KUTIL prompt. The Utilities will display the Registration screen. You will not be able to proceed beyond this point until you call On Air Digital USA or the On Air Digital representative in your country.

1. As directed by On Air Digital, enter your station call letters or company name and the proper license term. Press F2 to proceed.

2. The Registration program returns a registration code—read this number to the On Air Digital customer support person.

3. Enter the two code numbers given to you by the customer support person.

4. Press F2 to complete the licensing process.

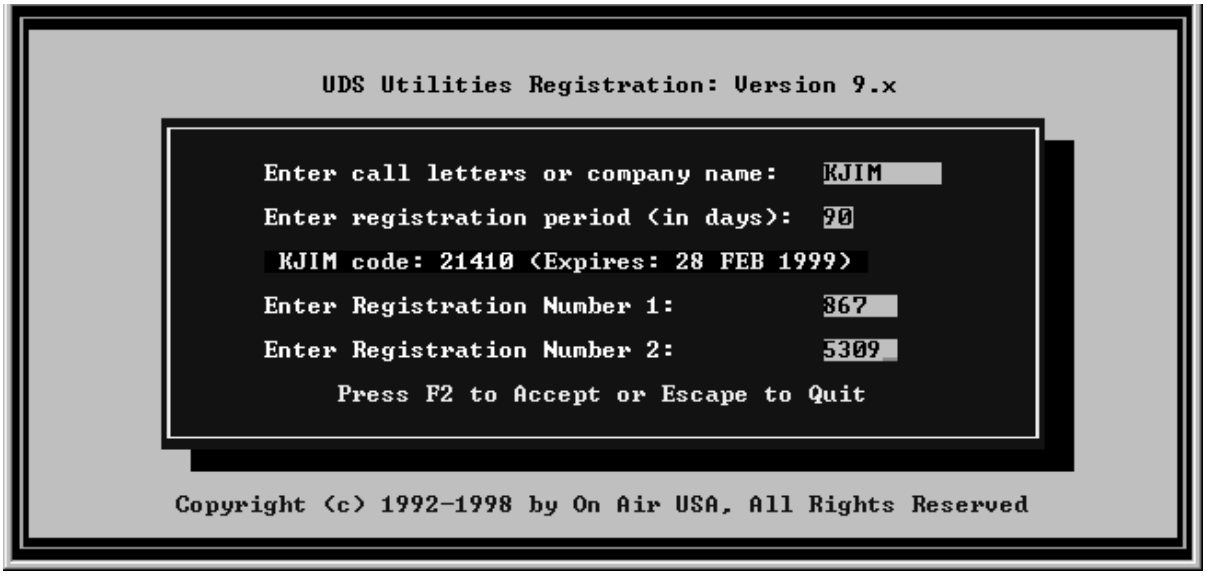
UDS Utilities Registration: Version 9.x
Enter call letters or company name: KJIM
Enter registration period (in days): 90
KJIM code: 21410 (Expires: 28 FEB 1999)
Enter Registration Number 1: 867
Enter Registration Number 2: 5309
Press F2 to Accept or Escape to Quit
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Figure 3-1 Sample UDS II Utilities Registration screen

Utilities for the UDS II—Configuring the Utilities, continued

Primary Configuration

A description for each of the configuration items follows. The default setting for each option is shown in parenthesis next to the name of each option.

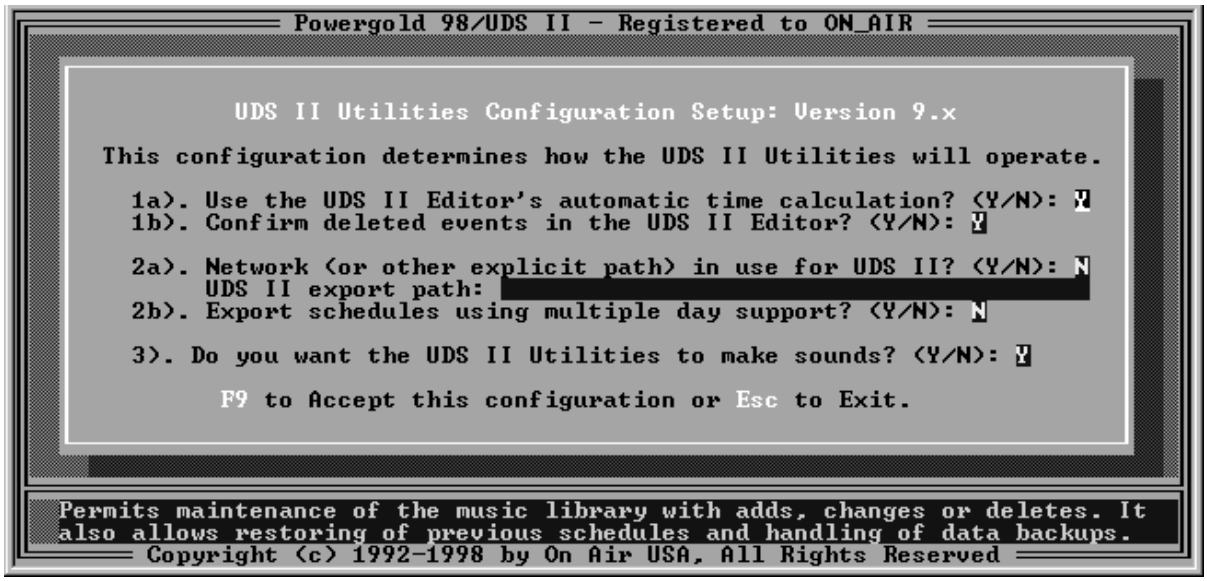
Powergold 98/UDS II - Registered to ON_AIR
UDS II Utilities Configuration Setup: Version 9.x
This configuration determines how the UDS II Utilities will operate.
1a). Use the UDS II Editor's automatic time calculation? (Y/N): Y
1b). Confirm deleted events in the UDS II Editor? (Y/N): Y
2a). Network (or other explicit path) in use for UDS II? (Y/N): N
UDS II export path:
2b). Export schedules using multiple day support? (Y/N): N
3). Do you want the UDS II Utilities to make sounds? (Y/N): Y
F9 to Accept this configuration or Esc to Exit.
Permits maintenance of the music library with adds, changes or deletes. It also allows restoring of previous schedules and handling of data backups.
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Figure 3-2 UDS II Utilities Primary Configuration Screen

`1a. Use the UDS II Editor's automatic time calculation? (Y/N):(Y)`

In the configuration window, you can decide whether or not the UDS II Schedule Editor should automatically update the 'scheduled at' times for events when you save the schedule.

This feature was designed for stations where the UDS II is used *strictly as a music handler,* with the starting times for each song being provided by their music scheduling program, and breaks being played from contact closure devices. The automatic time update calculation is based on each hour starting at :00. There are some instances when a :00 based hour is not desired.

This feature was designed for stations not using the Powergold 2000 music scheduling software. For this reason, please leave this option at the default setting of Y ENTER. Type N ENTER only if so directed by On Air Digital technical support personnel.

Utilities for the UDS II—Configuring the Utilities; Primary Configuration, continued

`1b. Confirm deleted events in the UDS II Editor? (Y/N): (Y)`

While using the UDS II Schedule Editor, you must normally confirm any deletion of an event by pressing F9 after you press D. This option allows you to disable the safety feature so that pressing D or DEL will delete any event. This might be handy if you routinely delete a number of events each day.

If you wish to leave the confirmation feature in place, leave this at the default setting of Y ENTER. If you wish to override this feature, type N ENTER here.

`2a. Network (or other explicit path) in use for UDS II? (Y/N): (N)`

If both your Powergold 2000 computer and your UDS II computer are connected to the same local-area network, it is possible to transfer files to the UDS II without diskettes. This option allows you to send your schedules, tray maps, and new adds files across the network to a special subdirectory where the UDS II can import them.

If the UDS II and Powergold 2000 computers are *not* connected to a local-area network, or you do not wish to utilize the network in this way, please leave this option at the default setting of N and leave the UDS II Network path field blank.

If you do wish to use this option, type Y here. On the next line, type the complete name of the network subdirectory. For example, if your local-area network drive is drive F: and you want to put the files into the UDS2SKED subdirectory, type the following in the UDS II Network path field:

F : \ U D S 2 S K E D \ ENTER

Make a note of the path name you chose and configure the UDS II accordingly. You also need to create that subdirectory on the network drive before you may use it to transfer files. The UDS II must logon to the network, change to the network UDS II subdirectory, return to C:, and start UDS II by itself. See your network coordinator if you do not have sufficient access to create a new subdirectory off the root directory.

📖 For more information on using a local-area network with UDS II, see *Notes on Configuring UDS II As a Network Node* in Appendix A of this manual.

`2b. Export schedules using multiple day support? (Y/N): (N)`

It is possible to transfer up to seven consecutive days worth of schedule files to the UDS II across a local area network or on a single diskette. This option allows you to use UDS II's ALT F10 multi-day schedule import feature.

📖 For more information on using the ALT F10 multi-day schedule import feature, see *Alt-F10—Multi-Day Schedule Loading* in Chapter Four of this manual.

Utilities for the UDS II—Configuring the Utilities; Primary Configuration, continued

3. Do you want the Utilities for the UDS II to make sounds? (Y/N): (Y)

The Utilities for the UDS II make a variety of sounds to indicate whether a process is working, has completed, or has run into a problem. These sound effects work in conjunction with the messages displayed on the screen.

If you wish to keep the sound effects in operation, leave this option at its default setting of Y. If you wish to disable these sounds, type N here.

> ***Note*:** In the case of a "fatal error", sound effects *will be* emitted, regardless of your sound configuration preference. Even if you disable the sound effects, sound effects will still be emitted when a "fatal error" occurs. This override is by design to alert you to an extraordinary condition requiring your immediate attention.

IMPORTANT! After you have completed changing the Utilities primary configuration setup options, you *must* press F9 to save the changes.

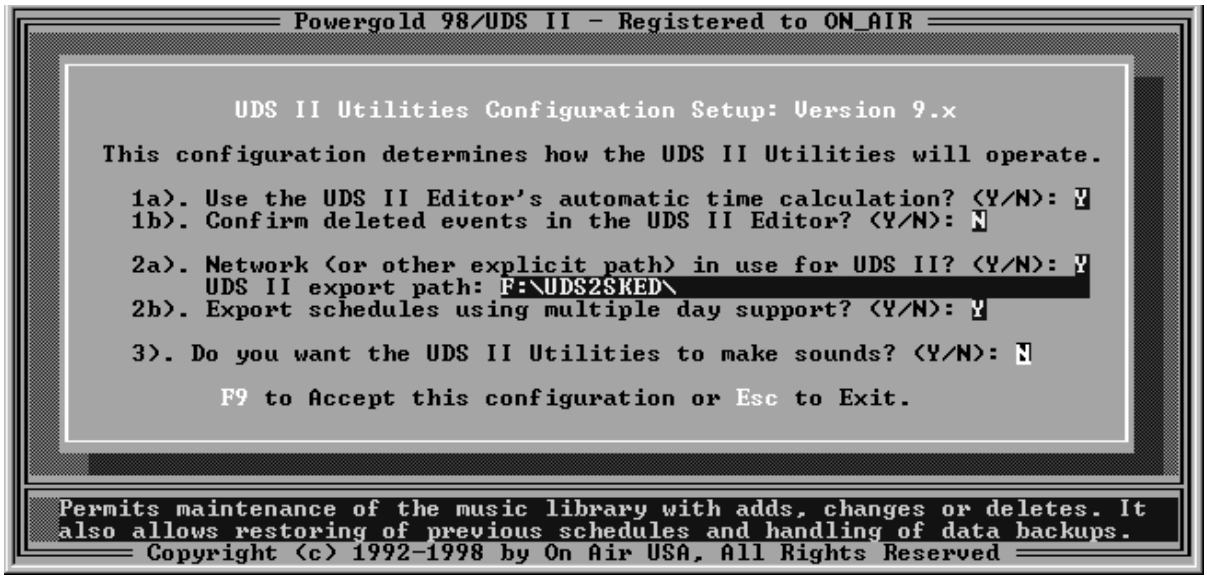
Powergold 98/UDS II - Registered to ON_AIR
UDS II Utilities Configuration Setup: Version 9.x
This configuration determines how the UDS II Utilities will operate.
1a). Use the UDS II Editor's automatic time calculation? (Y/N): Y
1b). Confirm deleted events in the UDS II Editor? (Y/N): N
2a). Network (or other explicit path) in use for UDS II? (Y/N): Y
UDS II export path: F:\UDS2SKED\
2b). Export schedules using multiple day support? (Y/N): Y
3). Do you want the UDS II Utilities to make sounds? (Y/N): N
F9 to Accept this configuration or Esc to Exit.
Permits maintenance of the music library with adds, changes or deletes. It also allows restoring of previous schedules and handling of data backups.
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Figure 3-3 Example of a completed UDS II Utilities Primary Configuration Screen

To return to the Utilities for the UDS II Main menu, press ESC.

Utilities for the UDS II—Configuring the Utilities, continued

Tray Map Configuration

When you run the Tray Map program for the first time, the Tray Map Configuration screen is displayed. You must enter information about your UDS II system for the Tray Map program to function.

IMPORTANT! Tray maps and tray map configuration are required only if your UDS II system is using CD changers. Hard-drive-only systems do not use CD tray mapping.

1. From the Utilities menu, press R to select Revise or Review Tray Maps.

   The UDS II Tray Map Configuration window opens.

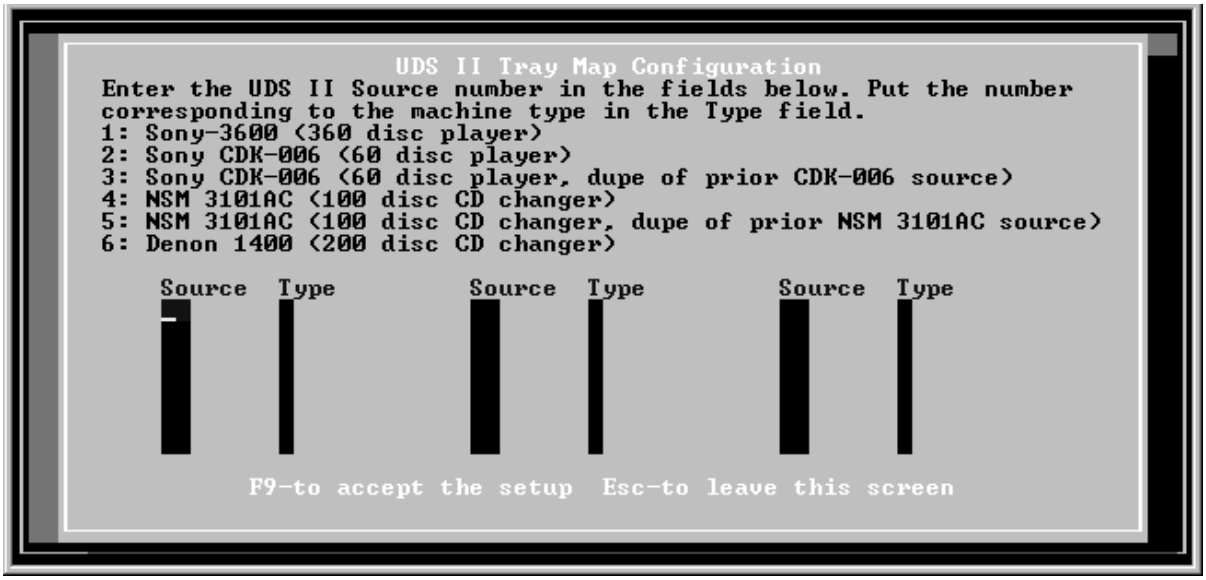
UDS II Tray Map Configuration
Enter the UDS II Source number in the fields below. Put the number
corresponding to the machine type in the Type field.
1: Sony-3600 (360 disc player)
2: Sony CDK-006 (60 disc player)
3: Sony CDK-006 (60 disc player, dupe of prior CDK-006 source)
4: NSM 3101AC (100 disc CD changer)
5: NSM 3101AC (100 disc CD changer, dupe of prior NSM 3101AC source)
6: Denon 1400 (200 disc CD changer)
Source Type Source Type Source Type
F9-to accept the setup Esc-to leave this screen

Figure 3-4 UDS II Utilities Tray Map Configuration Screen

***Note*:** If you have already configured your Tray Maps, the program displays the CD player selection window. You may press ALT F10 to re-configure your Tray Maps.

Utilities for the UDS II—Configuring the Utilities; Tray Map Configuration, continued

Notice the instructions on the screen. You are requested to enter the CD changer machine type for each UDS II source number.

IMPORTANT! These source number assignments *must* match the UDS II equipment file printout provided with your UDS II documentation.

There are six CD changer machine types:

Type 1	Sony-3600	360-disc changer containing *two* CD players
Type 2	Sony CDK-006	60-disc changer with *one* CD player
Type 3	Sony CDK-006	60-disc changer with *one* CD player, duplicating previous CDK-006 source
Type 4	NSM 3101AC	100-disc changer with *one* CD player
Type 5	NSM 3101AC	100-disc changer with *one* CD player, duplicating previous NSM 3101AC source
Type 6	Denon DN-1400F	200-disc changer with *two* CD players

Note: You must remember that a *single* Sony CDK-3600 or Denon DN-1400F CD changer requires *two* consecutive UDS II source numbers. The lower of these two source numbers *must* be an odd-numbered source.

📖 Refer to the *Notes on Using Duplicate Libraries* section starting on page 3-156 for more information on setting up CD changers with duplicate libraries.

Utilities for the UDS II—Configuring the Utilities; Tray Map Configuration, continued

2. Fill in the information requested on the screen by entering the UDS II Source number followed by the machine type.

   The example below assumes you have one Sony CDK-3600 (Sources 01 and 02) and one Sony CDK-006 (Source 03):

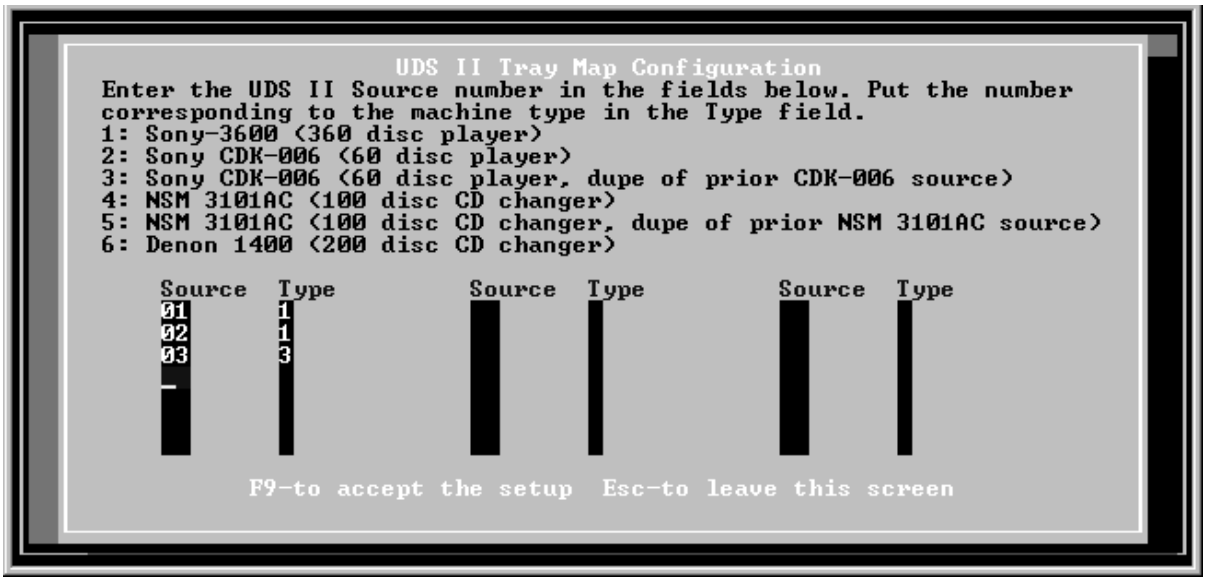
UDS II Tray Map Configuration
Enter the UDS II Source number in the fields below. Put the number
corresponding to the machine type in the Type field.
1: Sony-3600 (360 disc player)
2: Sony CDK-006 (60 disc player)
3: Sony CDK-006 (60 disc player, dupe of prior CDK-006 source)
4: NSM 3101AC (100 disc CD changer)
5: NSM 3101AC (100 disc CD changer, dupe of prior NSM 3101AC source)
6: Denon 1400 (200 disc CD changer)
Source Type Source Type Source Type
01 1
02 1
03 3
F9-to accept the setup Esc-to leave this screen

Figure 3-5 UDS II Utilities Tray Map Configuration Example

Utilities for the UDS II—Configuring the Utilities; Tray Map Configuration, continued

The following table of example configurations has been provided for your convenience. Refer to the table, if needed, when assigning the machine type codes to your UDS II source number. Remember, the UDS II source numbers are assigned in the UDS II equipment file and a printout of this file is included in your UDS II documentation.

Configuring Tray Maps	
UDS II Source Number	**Machine Type**
If you are using one Sony CDK-3600 *or* Denon DN-1400F	
01	1 *or* 6
02 (mirror of 01)	1 *or* 6
If you are using two Sony CDK-3600s or Denon DN-1400Fs	
01	1 *or* 6
02 (mirror of 01)	1 *or* 6
03	1 *or* 6
04(mirror of 03)	1 *or* 6
If you are using three Sony CDK-006s *or* NSM 3101ACs	
01	2 *or* 4
02	2 *or* 4
03	2 *or* 4
If you are using one Sony CDK-3600 *and* two NSM 3101ACs	
01	1
02 (mirror of 01)	1
03	4
04	4
If you are using duplicate libraries with four CDK-006s	
01	2
02	2
03 (mirror of 01)	3
04 (mirror of 02)	3
If you are using duplicate libraries with four NSM 3101ACs	
01	4
02	4
03 (mirror of 01)	5
04 (mirror of 02)	5

Utilities for the UDS II—Configuring the Utilities; Tray Map Configuration, continued

3. Press F9 to accept the setup.

   You have just configured your Tray Maps.

   The Tray Map program opens and prompts you for a source number.

On Air USA UDS II Tray Map System: Version 9.x
This program maintains your tray map files which tell
UDS II where it can find all of the CDs in your system.
Enter the CD Player Source number in the field below:
Enter or F9 to proceed. Escape to quit this program.
Press F5 to print a Tray Map Summary.
Press Alt-F10 to Configure Tray Maps
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Figure 3-6 Tray Map Program Source Number Selection Screen

For the moment, press ESC to return to the Utilities Menu and continue the configuration process. Entering specific CD IDs into the tray maps is covered in depth in "Revise or Review Tray Maps" beginning on page 3-148.

Important: When entering CD IDs into the tray maps, you cannot enter CD IDs in mirrored sources. Mirrored sources are automatically updated for you by the Tray Map program.

Utilities for the UDS II—Configuring the Utilities, continued

Merge Configuration

When the UDS II Traffic Schedule Merge program is run for the first time, or if the configuration file is not present in the current working subdirectory, the program displays the Commercial Merge Configuration Setup screen. The Merge program *must* be configured before any merging of logs may take place.

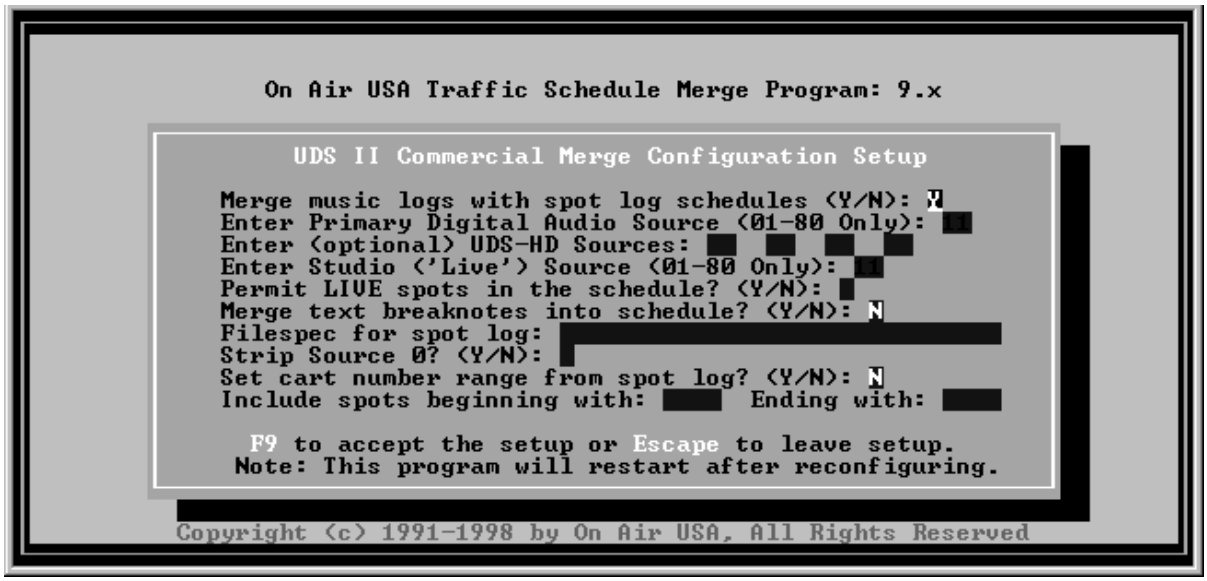
On Air USA Traffic Schedule Merge Program: 9.x
UDS II Commercial Merge Configuration Setup
Merge music logs with spot log schedules (Y/N): Y
Enter Primary Digital Audio Source (01-80 Only):
Enter (optional) UDS-HD Sources:
Enter Studio ('Live') Source (01-80 Only):
Permit LIVE spots in the schedule? (Y/N):
Merge text breaknotes into schedule? (Y/N): N
Filespec for spot log:
Strip Source 0? (Y/N):
Set cart number range from spot log? (Y/N): N
Include spots beginning with: Ending with:
F9 to accept the setup or Escape to leave setup.
Note: This program will restart after reconfiguring.
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Figure 3-7 UDS II Commercial Merge Configuration Setup

***Note*:** This program may be re-configured at any time by pressing ALT F10 from anywhere within UDS II Merge.

The configuration options in Commercial Merge Configuration Setup are as follows:

➪ `Merge music logs with spot log schedules? (Y/N): (Y)`

For all Powergold 2000 users, the only correct answer is Y. Otherwise, the merge program configures itself to a special mode and will overwrite any music schedules that may be present. You *mus*t leave this option at the default setting of Y.

➪ `Enter Primary Digital Audio Source (01-80 Only):`

Type the UDS II source number configured for digital audio playback, as set in the UDS II equipment file. The printout of this file is included in the UDS II documentation you received with the system. The source must be entered as a zero-padded, two-digit number between 01 and 80, inclusive.

If, like most UDS II systems, you are using source 09 for digital audio, type 0 9.

Utilities for the UDS II—Configuring the Utilities; Merge Configuration, continued

➪ `Enter (optional) UDS II-HD Sources:`

If your UDS II is configured to play UDS-HD music on hard-drive, type the UDS II source numbers configured for UDS-HD, as set in the UDS II equipment file. The printout of this file is included in the UDS II documentation you received with the system. The source must be entered as a zero- padded, two-digit number between 01 and 80, inclusive

If, for example, you are using sources 05 and 06 for UDS-HD, enter 0 5 0 6 0 0 0 0.

➪ `Enter Studio ('Live') Source (01-80 Only):`

Type the UDS II source number configured as the live studio source, as set in the UDS II equipment file, in this blank. The printout of this file is included in the UDS II documentation you received with the system. The source must be entered as a zero-padded, two-digit number between 01 and 80, inclusive.

If, like most UDS II systems, you are using source 10 for the 'live' source, type 1 0.

➪ `Permit LIVE spots in the schedule? (Y/N):`

When this option is set to Y and the spot log to be merged contains the text 'LIVE' or '0000' (four zeroes) in the cart number field, the event is handled as a live studio event in the UDS II schedule. Please note that letter case is not important—Live, live and LIVE are treated alike. The 'LIVE' cart will be replaced by an event on the live source (configured above) during the merge process. This 'LIVE' cart will retain the name it was given by the traffic scheduling program and this name will be displayed both in the UDS II schedule and on the UDS II main screen.

If this option is set to N, this event will not appear in the merged playlist.

IMPORTANT! Time-compare is *not* automatically provided for the live studio source. If you want the event to run for no more than a specific duration, you must mark this event as time-compare using the UDS II Schedule Editor.

📖 For more information on setting the time-compare flag, see *Event Entry Fields* on page 3-106 of this chapter.

Utilities for the UDS II—Configuring the Utilities; Merge Configuration, continued

➪ `Merge text breaknotes into schedule? (Y/N):`

> Note: This merge configuration item is available *only* to users of the Datacount DARTS traffic scheduling software.

This option, if set to Y, merges *every* line of the traffic log with the music log. Lines in the traffic log with commercials are merged normally but all other lines are merged as Source 98 text breaknotes. This can lead to a cluttered schedule and is only recommended as a "last-ditch" method of sending notes to the UDS II operator.

➪ `Filespec for spot log:`

Type the drive letter and path where the traffic log to be merged is stored, plus the common portion of the log file names. This allows you to select the actual file name of the log from a pop-up window each time you merge. The drive, path, and partial file name appear in the input window where you enter the name of the log to be merged. If you do *not* know the format for the log file names, type * . * as the file spec followed by ENTER.

> ***Note*:** There is *no* error checking to determine if the drive and path actually exist until you attempt the merge process.

For example, if you are merging CBSI traffic logs from a diskette in the A: diskette drive, type A : \ * . E V T ENTER.

As another example, if you are merging DARTS traffic logs from the TRAFFIC subdirectory on network drive F:, type F : \ T R A F F I C \ * . L O G ENTER.

➪ `Strip Source 0? (Y/N):`

If using Powergold 2000, this should be answered with a Y. Answering Yes causes the Merge program to remove all source zero events from the schedule. This feature removes unscheduled songs and other invalid events from the schedule before you import it into the UDS II. This eliminates many unnecessary errors before they are transferred to UDS II at schedule import time.

Unless directed to do otherwise by On Air Digital Technical Support personnel, set this item to Y ENTER.

Utilities for the UDS II—Configuring the Utilities; Merge Configuration, continued

➪ `Set cart number range from spot log?`

This feature allows you to selectively merge spots only within a certain range of cart numbers in your traffic log with your music schedule. Setting this option to Y will gather spots over a certain range. Setting this option to N will gather all spots.

Some UDS II users keep public service announcements and station promos as a regular part of their traffic schedule to fill in gaps when spot inventory is low. However, heavy spot loads may eliminate the need for these fill events. By keeping promos and PSAs grouped together in a very high (or very low) series of *numeric* cart numbers, it is possible to exclude them from the schedule through this configuration item.

IMPORTANT! All cart numbers containing *letters* will be scheduled, regardless of any range you might set. Only purely numeric cart numbers will be excluded. In addition, all carts scheduled in your breaknotes will be merged into the schedule.

➪ `Include spots beginning with: ____`

If you set the "cart number range" option above to Y, type the zero-padded four-digit cart number with which you wish to begin the search for spots to include in the schedule.

➪ `Ending with: ____`

If you set the "cart number range" option above to Y, type the zero-padded four-digit cart number with which you wish to end the search for spots to include in the schedule.

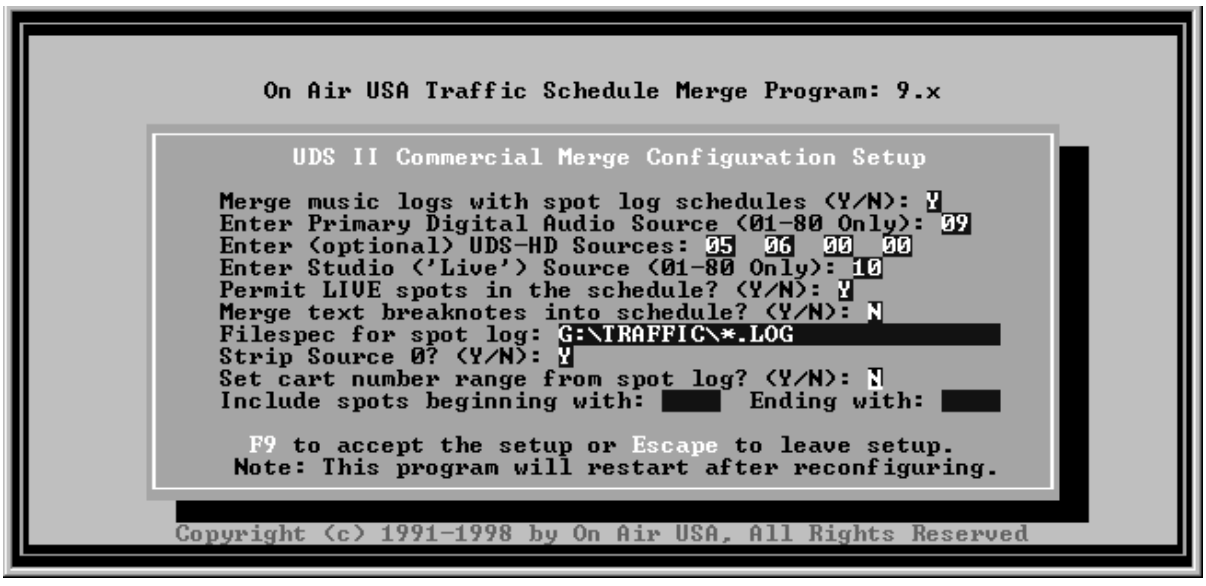
On Air USA Traffic Schedule Merge Program: 9.x
UDS II Commercial Merge Configuration Setup
Merge music logs with spot log schedules (Y/N): Y
Enter Primary Digital Audio Source (01-80 Only): 09
Enter (optional) UDS-HD Sources: 05 06 00 00
Enter Studio ('Live') Source (01-80 Only): 10
Permit LIVE spots in the schedule? (Y/N): Y
Merge text breaknotes into schedule? (Y/N): N
Filespec for spot log: G:\TRAFFIC*.LOG
Strip Source 0? (Y/N): Y
Set cart number range from spot log? (Y/N): N
Include spots beginning with: Ending with:
F9 to accept the setup or Escape to leave setup.
Note: This program will restart after reconfiguring.
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Figure 3-8 A Typical UDS II Commercial Merge Configuration Setup

Utilities for the UDS II—Configuring the Utilities; Merge Configuration, continued

Once the configuration is complete, press F9 to save the information to disk.

You will see a confirmation on the screen like the one below:

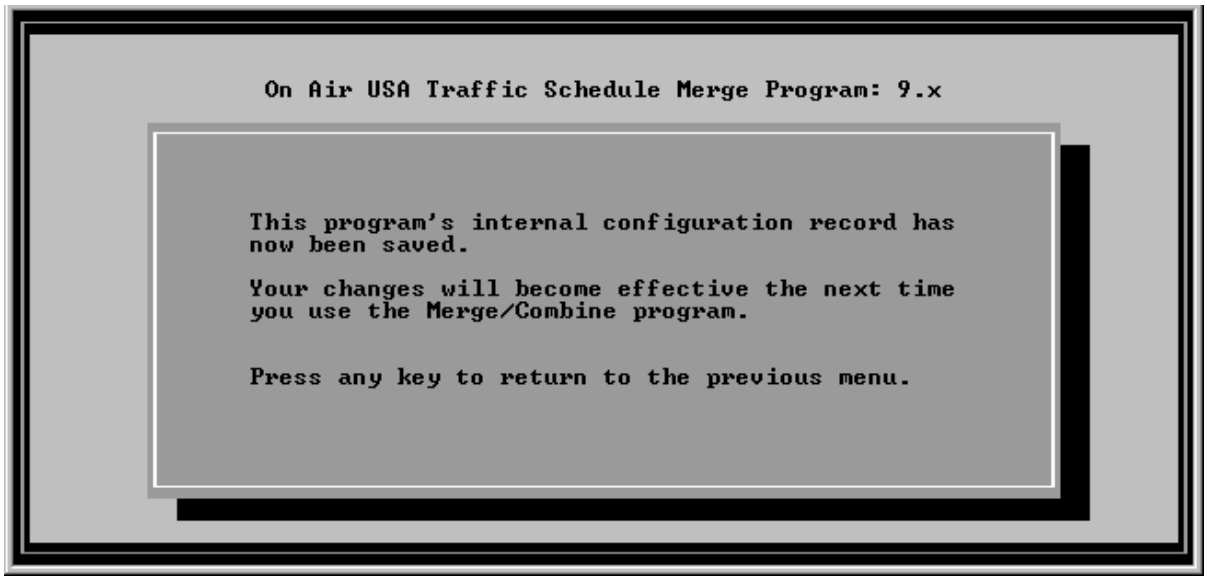

On Air USA Traffic Schedule Merge Program: 9.x
This program's internal configuration record has now been saved.
Your changes will become effective the next time you use the Merge/Combine program.
Press any key to return to the previous menu.

Figure 3-9 Successful Commercial Merge Configuration Setup

Note: After the new configuration is saved, the Merge program must be restarted before the new configuration values will take effect.

Press SPACE to clear the message return to the Utilities for the UDS II main menu.

Utilities for the UDS II, continued

Using the Utilities for the UDS II for the First Time

Before you may proceed with using the Utilities for the UDS II, you must create two very important data files: the *music library* and the *music schedule*. This section will guide you through creating these files from Powergold 2000 so you may then continue learning more about the UDS II and the Utilities.

Create the UDS II Music Library Database

Before the Utilities for the UDS II can be used to analyze and manipulate schedules produced by Powergold 2000, a special music library database file of all the songs that will be scheduled by Powergold 2000 (known as "SSMUSIC.DB") must be created.

1. From the Utilities for the UDS II main menu, press S to choose System Maintenance.

2. From the System Maintenance menu, press B to choose Build a UDS II Music Library.

3. The Music Library Conversion screen prompts you `Create music library (y/N)?` Press Y to proceed. Pressing any other key will abort the conversion process.

4. The Utilities will count songs as it converts the Powergold 2000 music library into the `SSMUSIC.DB` file that will be loaded into the UDS II control computer. When the conversion process is complete, you can view or copy the converted file.

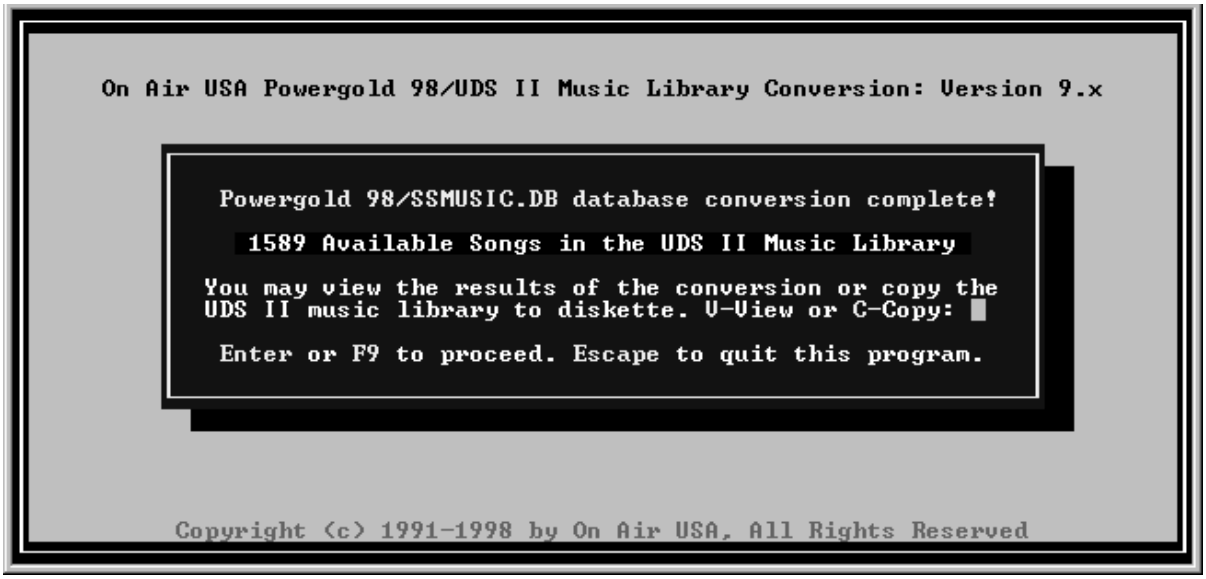
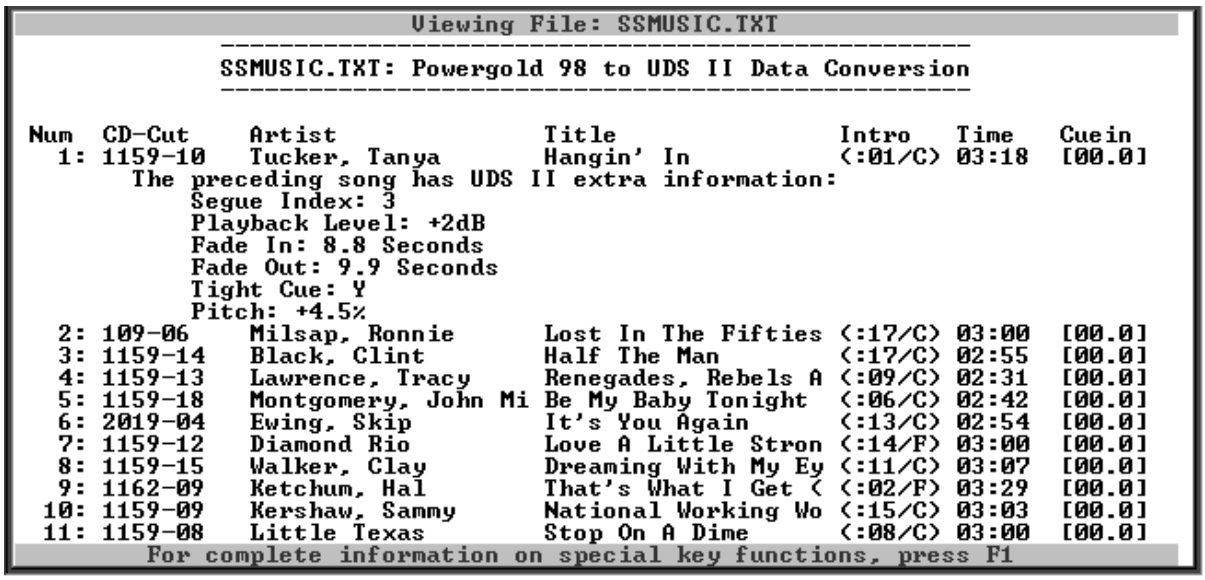

On Air USA Powergold 98/UDS II Music Library Conversion: Version 9.x
Powergold 98/SSMUSIC.DB database conversion complete!
1589 Available Songs in the UDS II Music Library
You may view the results of the conversion or copy the UDS II music library to diskette. V-View or C-Copy:
Enter or F9 to proceed. Escape to quit this program.
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-10 Music Library Conversion View/Copy Select Screen

Utilities for the UDS II—Using the Utilities for the First Time; Database, continued

5. Visually confirm that your music library was properly converted by pressing V ENTER to View a text copy of the `SSMUSIC.DB` data file.



```
                    Viewing File: SSMUSIC.TXT
                    -------------------------------------------------
                    SSMUSIC.TXT: Powergold 98 to UDS II Data Conversion
                    -------------------------------------------------

Num  CD-Cut    Artist              Title                Intro   Time   Cuein
  1: 1159-10   Tucker, Tanya       Hangin' In           (:01/C) 03:18  [00.0]
       The preceding song has UDS II extra information:
            Segue Index: 3
            Playback Level: +2dB
            Fade In: 8.8 Seconds
            Fade Out: 9.9 Seconds
            Tight Cue: Y
            Pitch: +4.5%
  2: 109-06    Milsap, Ronnie      Lost In The Fifties (:17/C) 03:00  [00.0]
  3: 1159-14   Black, Clint        Half The Man        (:17/C) 02:55  [00.0]
  4: 1159-13   Lawrence, Tracy     Renegades, Rebels A (:09/C) 02:31  [00.0]
  5: 1159-18   Montgomery, John Mi Be My Baby Tonight  (:06/C) 02:42  [00.0]
  6: 2019-04   Ewing, Skip         It's You Again      (:13/C) 02:54  [00.0]
  7: 1159-12   Diamond Rio         Love A Little Stron (:14/F) 03:00  [00.0]
  8: 1159-15   Walker, Clay        Dreaming With My Ey (:11/C) 03:07  [00.0]
  9: 1162-09   Ketchum, Hal        That's What I Get ( (:02/F) 03:29  [00.0]
 10: 1159-09   Kershaw, Sammy      National Working Wo (:15/C) 03:03  [00.0]
 11: 1159-08   Little Texas        Stop On A Dime      (:08/C) 03:00  [00.0]
        For complete information on special key functions, press F1
```

Figure 3-11 Sample View of a Converted Music Library

Press ESC to return to the View/Copy select screen when you are satisfied that the conversion was a success.

6. From the View/Copy select screen, press C ENTER to begin the database copying process.

7. Select the drive to which you wish to copy the database file.

   ➪ To copy the file to a diskette, type A ENTER or B ENTER, depending on whether the diskette is in the A: or B: diskette drive, respectively. This is the preferred method as the UPDATE program on the UDS II computer requires that the new database file be stored on a diskette.

   IMPORTANT: If transferring the database file by diskette you must ensure that this diskette can be used by both the Powergold 2000 and the UDS II computers. Most UDS II computers use 3.5" 1.44Mb diskettes.

   ➪ To copy the file to a network drive, type the drive letter you have set up for the UDS II computer on your local area network and press ENTER. The Utilities display a dialog box asking you to specify the destination path of the file. Copy the file into the UDS II schedule directory by typing U D S 2 S K E D ENTER.

Utilities for the UDS II—Using the Utilities for the First Time; Database, continued

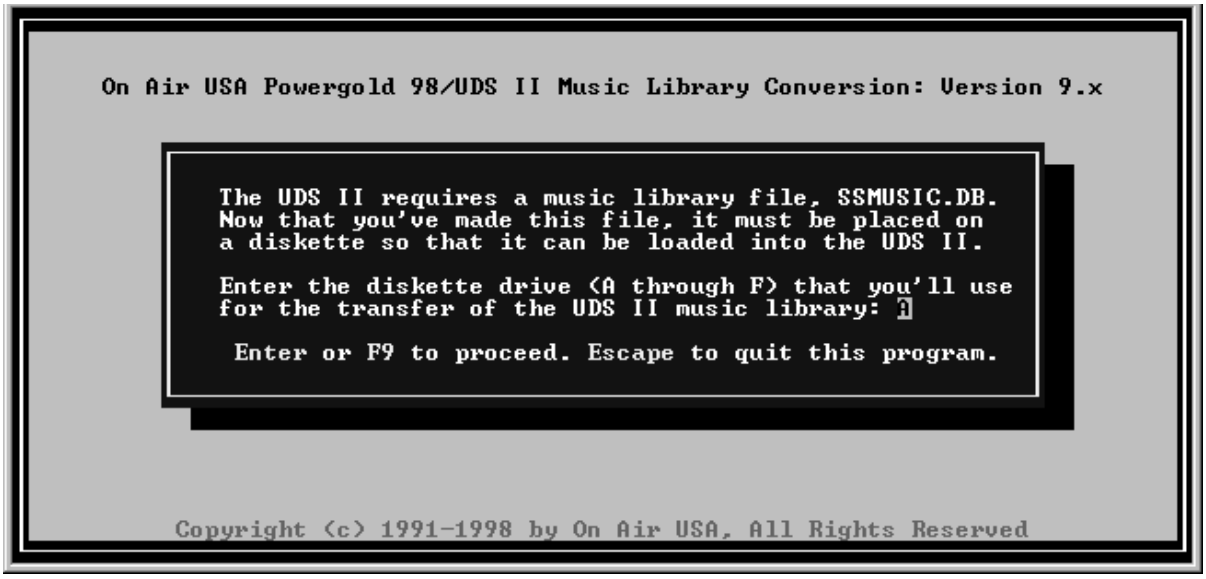

On Air USA Powergold 98/UDS II Music Library Conversion: Version 9.x
The UDS II requires a music library file, SSMUSIC.DB.
Now that you've made this file, it must be placed on
a diskette so that it can be loaded into the UDS II.
Enter the diskette drive (A through F) that you'll use
for the transfer of the UDS II music library: A
Enter or F9 to proceed. Escape to quit this program.
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Figure 3-12 Music Library Conversion Drive Selection Screen

The Utilities for the UDS II will work for a moment while compressing the database into a self-extracting executable file called `SSMUSIC.EXE` then copying that file to the destination you specified.

8. When the `SSMUSIC.EXE` file has been successfully copied, press SPACE to continue.

9. Press ESC twice to return to the Utilities for the UDS II main menu.

If you copied the music database file to diskette, put this diskette in a safe place as you will have to install the music library on the UDS II computer before you may operate the UDS II for the first time. Before doing that procedure, however, please continue to the next step and create a music schedule. The music schedule must *also* be prepared before you may operate the UDS II for the first time.

📖 For information on installing the `SSMUSIC.DB` music library file into your UDS II, see *Installing the UDS II Music Library* in Chapter Four.

Utilities for the UDS II—Using the Utilities for the First Time, continued

Create the UDS II Music Schedule

Creating the daily playlist for the Ultimate Digital Studio II is a straightforward process with the Powergold 2000/Utilities for the UDS II combination. Powergold 2000 creates the instructions that the UDS II will follow (both for music and non-music elements) via the LOG2ASC interface utility.

1. Schedule a single day of music in Powergold 2000 using your new UDS II-ready format clocks. Edit and save this as you would any other music schedule.

2. From the main toolbar, click `Automation` to open the Automation Files window.

3. From the Automation Files window, click the `Setup` tab to configure Powergold 2000 to work with the UDS II.

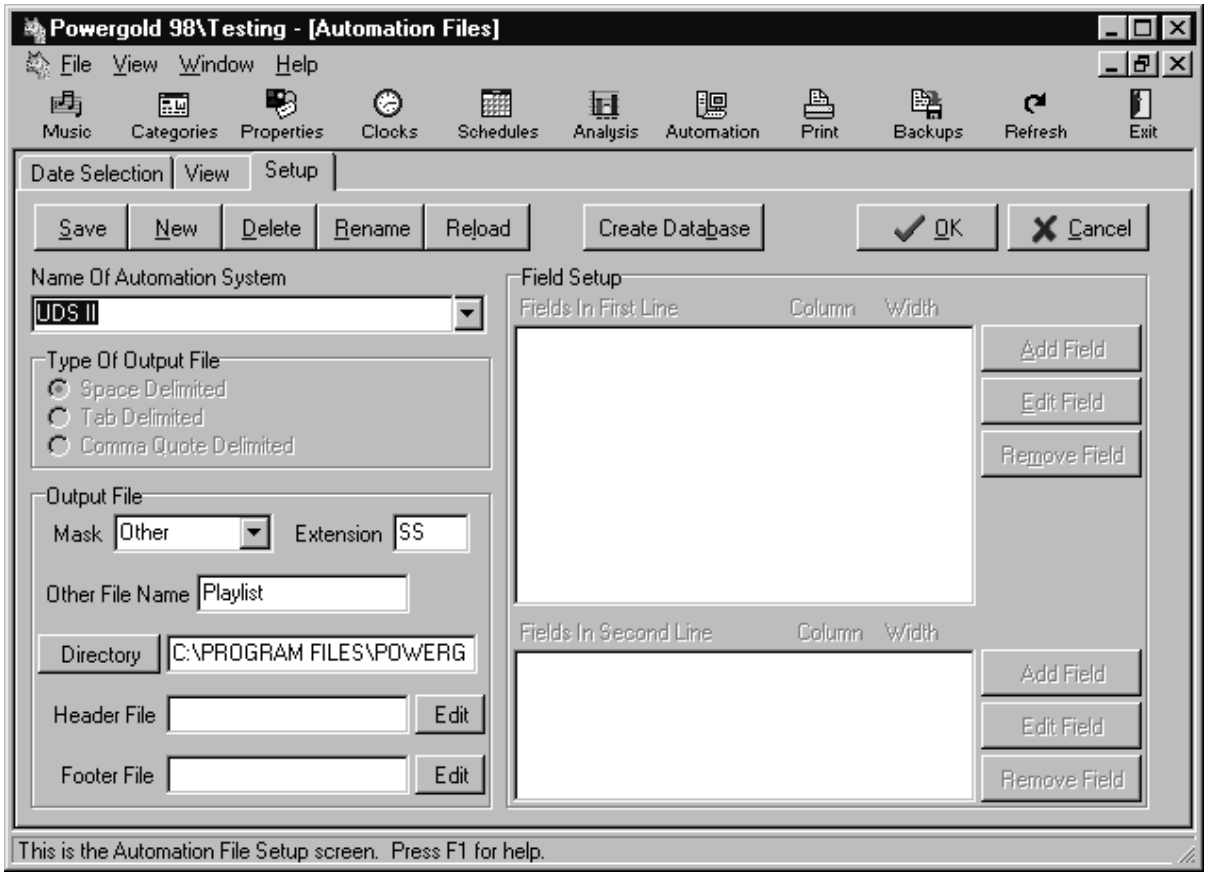

Figure 3-13 Powergold 2000 Automation Files Setup Screen

Utilities for the UDS II—Using the Utilities for the First Time; Schedule, continued

4. From the Setup screen, use the Name of Automation System scrollbar to select UDS II. The "Output File" box now shows a "Mask" of Other, an "Extension" of SS, and an "Other File Name" of Playlist.

5. Click the Directory button. Confirm that the highlighted directory is the database subdirectory for the music database with which you are working. If not, correct the directory highlighted here to match the proper music database under Powergold 2000.

6. Click OK to return to the Setup screen.

7. Click Save to save any changes you have made.

IMPORTANT: Steps 3-7 need only be performed during initial setup of Powergold 2000. They may be safely skipped during the regular day-to-day operation of Powergold 2000.

8. Click the Data Selection tab to select the Data Selection screen.

9. Click once on the date of the schedule you wish to copy to the Utilities then click Create File to begin the schedule file creation process.

10. The Name of Output File box is displayed. Confirm that this is the correct drive, path, and file name for the schedule and then click OK to continue.

11. Powergold 2000 works for a moment then displays an Information box letting you know that the file has been created. Click OK to continue.

12. The Create New Adds File? box is displayed. The most recent date and time that a New Adds file was created is displayed. Click OK to continue.

13. If any updates to the music library have been made since this date and time, Powergold 2000 works for a moment then displays an Information box letting you know that the file has been created. Click OK to return to the Data Selection screen.

    If no such updates are found, Powergold 2000 returns to the Data Selection screen without need for further intervention.

14. Click Close at the top of the screen to close the Automation files window.

15. Minimize Powergold 2000 and start the Utilities for the UDS II.

You are now ready to learn about the Utilities for the UDS II and how to use them every day.

Utilities for the UDS II, continued

Using the Utilities for the UDS II Every Day—A Quick Tour

Now that you have configured the Utilities for the UDS II and used them to create your first music library and music schedule files, you're ready to learn more about these powerful tools. The Utilities control all of the interaction between your music and traffic scheduling software programs and the UDS II. Each day, after you create your music schedule and your traffic schedule, you will use the Utilities for the UDS II to check, view, merge, edit and transfer your complete UDS II daily schedule. Before you learn more about the Utilities for the UDS II in depth, study the next few pages for a quick "tour" of the software.

Begin the tour by selecting the Windows desktop shortcut you set up to run the Utilities for the UDS II *or* by typing P O W 9 8 ENTER from the `C:\PG2KUTIL\>` DOS prompt. The main menu, as shown below, will be displayed.

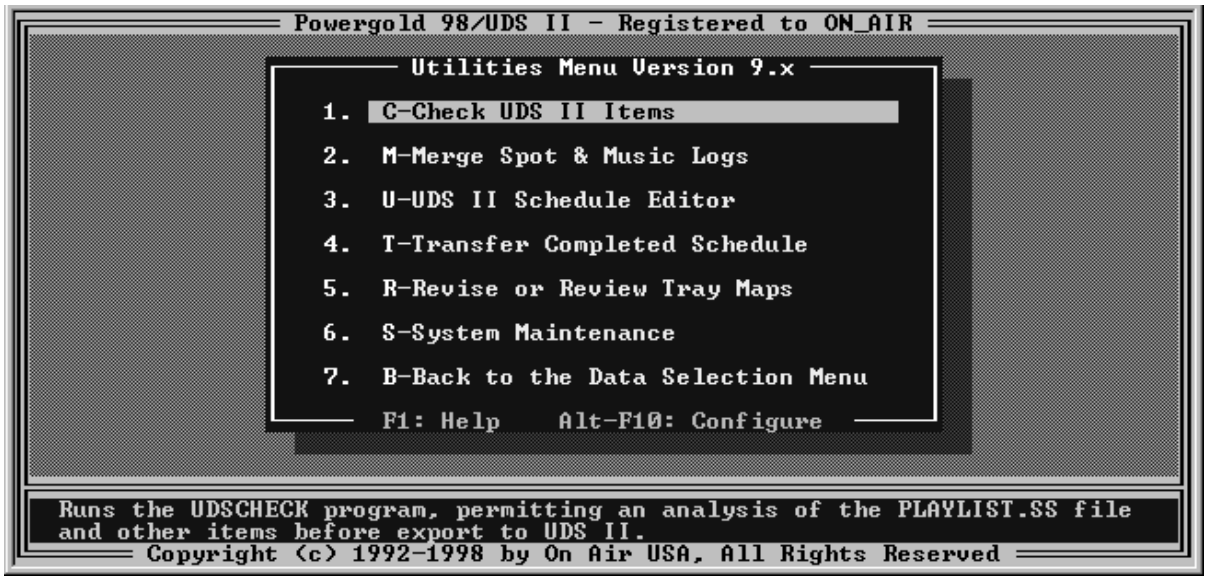
Powergold 98/UDS II - Registered to ON_AIR
Utilities Menu Version 9.x
1. C-Check UDS II Items
2. M-Merge Spot & Music Logs
3. U-UDS II Schedule Editor
4. T-Transfer Completed Schedule
5. R-Revise or Review Tray Maps
6. S-System Maintenance
7. B-Back to the Data Selection Menu
F1: Help Alt-F10: Configure
Runs the UDSCHECK program, permitting an analysis of the PLAYLIST.SS file and other items before export to UDS II.
Copyright (c) 1992-1998 by On Air USA, All Rights Reserved

Figure 3-14 Utilities for the UDS II Main Menu

To give you a passing familiarity with the full capabilities of the Utilities for the UDS II, this quick tour will take you through each section of the Utilities in turn. Begin with the feature you will use first each day after you have created your Powergold 2000 schedule—press C to select `Check UDS II Items`.

Utilities for the UDS II—Using the Utilities Every Day; A Quick Tour, continued

Check UDS II Items

Once a UDS II-compatible music schedule has been created by Powergold 2000, use the Check UDS II Items suite of analysis tools before merging this music schedule with the traffic log. Examine the Check UDS II Items menu by pressing C from the main menu of the Utilities.

Each day after creating the music log, press V from the Check UDS II Items menu to check the schedule for errors, read the schedule for content, and ensure that spot catchers, jingles, and other breaknotes are properly placed in the schedule. You should return to this feature *after* you merge the music and traffic logs to see if any errors were introduced and to make sure that all of the spots from the traffic log were properly caught.

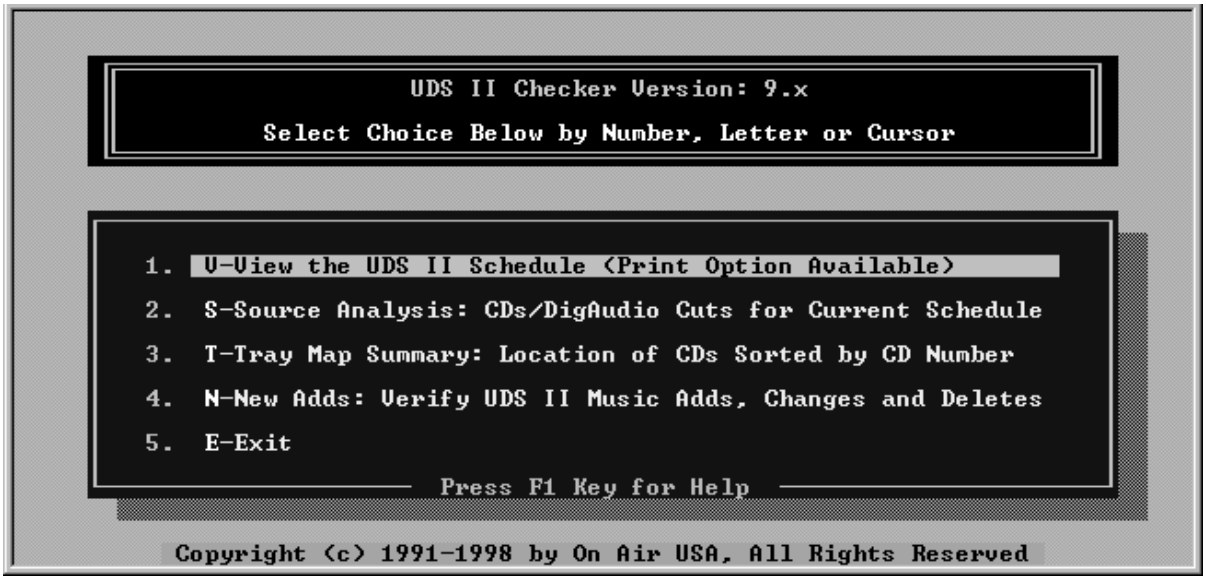
UDS II Checker Version: 9.x
Select Choice Below by Number, Letter or Cursor
1. V-View the UDS II Schedule (Print Option Available)
2. S-Source Analysis: CDs/DigAudio Cuts for Current Schedule
3. T-Tray Map Summary: Location of CDs Sorted by CD Number
4. N-New Adds: Verify UDS II Music Adds, Changes and Deletes
5. E-Exit
Press F1 Key for Help
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Figure 3-15 Check UDS II Items Menu

After you use Powergold 2000 to add songs to, delete songs from, or alter song information for current songs in the UDS II music library, use the New Adds tool to make sure that all the revisions you intended to make to the database were properly noted by the system.

Less frequently used, but no less useful, tools include Source Analysis to monitor which CDs and digital audio events are being scheduled, Tray Map Summary to locate a specific CD in the array of CD changers, and Category Analysis to check for proper distribution of your CD music library across the CD changers.

Press ESC to return to the Utilities for the UDS II main menu.

📖 For detailed information on using this feature, see *Check UDS II Items* beginning on page 3-77 of this chapter.

Utilities for the UDS II—Using the Utilities Every Day; A Quick Tour, continued

Merge

Now that the UDS II-compatible music schedule has been created and checked for errors, use the Merge Spot and Music Logs function to combine this file with your traffic schedule to create the complete UDS II playlist. Examine the Merge screen by pressing M from the main menu of the Utilities.

It is possible to manually enter file name for the traffic log in this dialog box. Instead, On Air Digital recommends using the F3 pick list instead. The pick list simplifies schedule selection and reduces the chance of error. The F3 pick list keeps the most recent schedule at the top of the list and prevents you from trying to merge with a traffic schedule that does not exist.

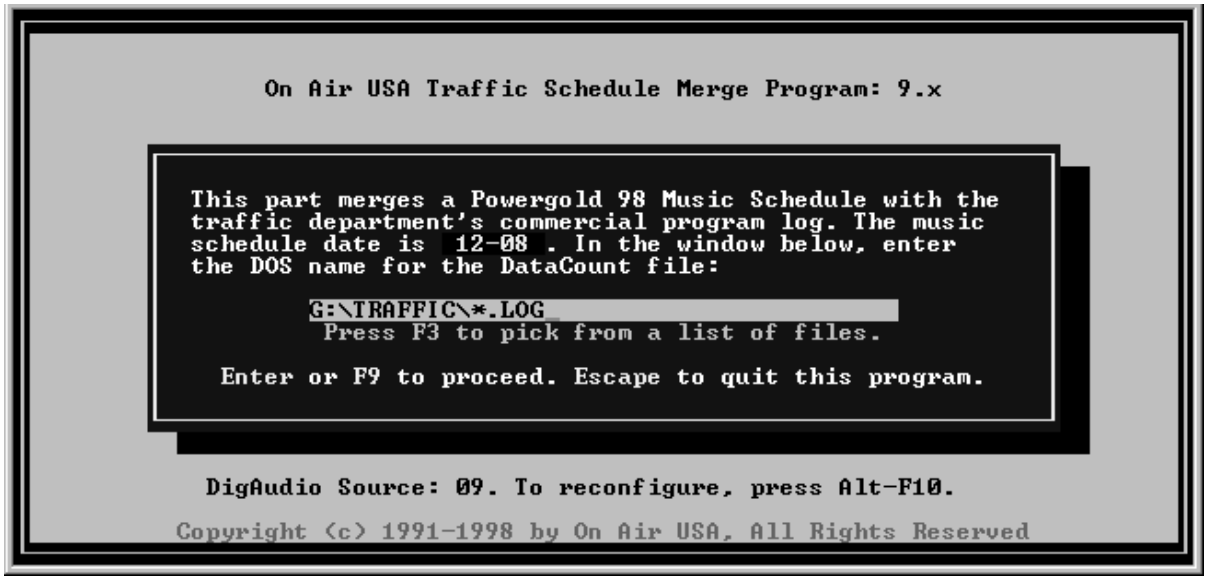
On Air USA Traffic Schedule Merge Program: 9.x
This part merges a Powergold 98 Music Schedule with the traffic department's commercial program log. The music schedule date is 12-08 . In the window below, enter the DOS name for the DataCount file:
G:\TRAFFIC*.LOG
Press F3 to pick from a list of files.
Enter or F9 to proceed. Escape to quit this program.
DigAudio Source: 09. To reconfigure, press Alt-F10.
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-16 Merge Spot and Music Screen

After completing the Merge process, be sure to go back to Check UDS II Items to ensure that errors have not been introduced into the schedule and that all of the spots were properly caught by the spot catcher breaknotes.

Press ESC to return to the Utilities for the UDS II main menu.

📖 For detailed information on using this feature, see *Merge Spot & Music Logs* beginning on page 3-95 of this chapter.

Utilities for the UDS II—Using the Utilities Every Day; A Quick Tour, continued

Edit

Once you have checked the merged UDS II schedule you can use the UDS II Schedule Editor to fix any errors or otherwise modify the merged schedule before sending this schedule to the UDS II. Examine the UDS II Schedule Editor by pressing U from the Utilities for the UDS II main menu. When the program finishes counting the events in the schedule, press SPACE to enter the UDS II Schedule Editor window.

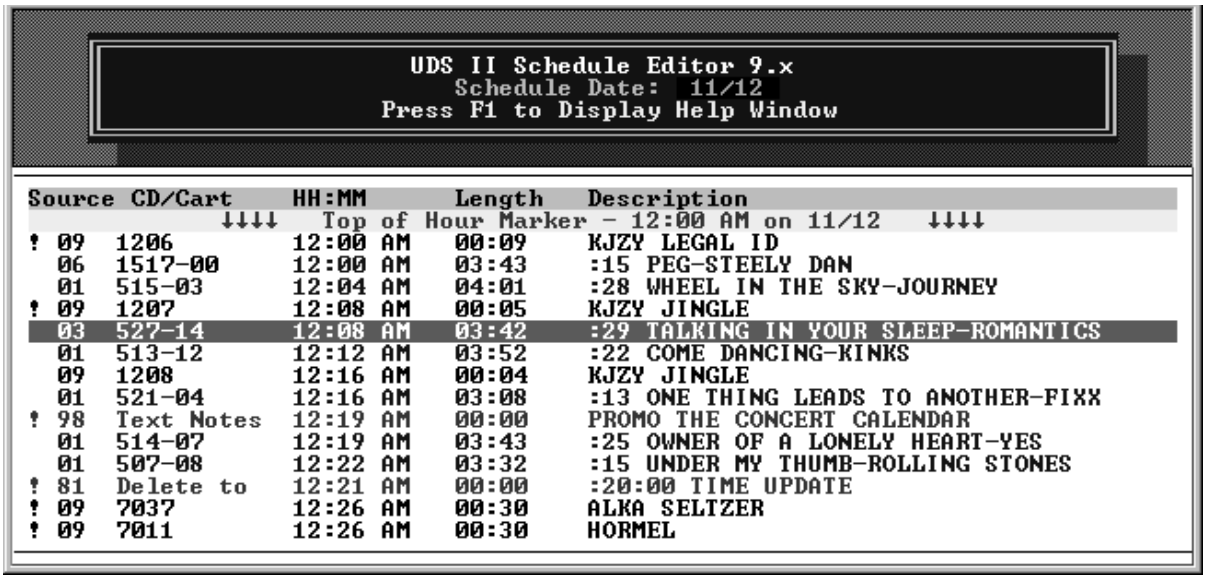
UDS II Schedule Editor 9.x
Schedule Date: 11/12
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
↓↓↓↓ Top of Hour Marker - 12:00 AM on 11/12 ↓↓↓↓
! 09 1206 12:00 AM 00:09 KJZY LEGAL ID
06 1517-00 12:00 AM 03:43 :15 PEG-STEELY DAN
01 515-03 12:04 AM 04:01 :28 WHEEL IN THE SKY-JOURNEY
! 09 1207 12:08 AM 00:05 KJZY JINGLE
03 527-14 12:08 AM 03:42 :29 TALKING IN YOUR SLEEP-ROMANTICS
01 513-12 12:12 AM 03:52 :22 COME DANCING-KINKS
09 1208 12:16 AM 00:04 KJZY JINGLE
01 521-04 12:16 AM 03:08 :13 ONE THING LEADS TO ANOTHER-FIXX
! 98 Text Notes 12:19 AM 00:00 PROMO THE CONCERT CALENDAR
01 514-07 12:19 AM 03:43 :25 OWNER OF A LONELY HEART-YES
01 507-08 12:22 AM 03:32 :15 UNDER MY THUMB-ROLLING STONES
! 81 Delete to 12:21 AM 00:00 :20:00 TIME UPDATE
! 09 7037 12:26 AM 00:30 ALKA SELTZER
! 09 7011 12:26 AM 00:30 HORMEL

Figure 3-17 UDS II Schedule Editor Window

Use the ↑ and ↓ arrows to move the highlight up and down the merged schedule. The UDS II Schedule Editor can change, copy, swap, delete, insert, update, and move each event in this schedule. You can get an overview of the features by pressing F1 for a list of Editor commands.

Press ESC to return to the Utilities for the UDS II main menu.

📖 For detailed information on using this feature, see *UDS II Schedule Editor* beginning on page 3-101 of this chapter.

Utilities for the UDS II—Using the Utilities Every Day; A Quick Tour, continued

Transfer

Now that you have created, checked, merged, checked, edited, and checked the UDS II schedule, you are ready to send it to the UDS II for play on the air. This program also sends the current tray maps and a report of any music library changes to the UDS II. Examine the Transfer Completed Schedule program by pressing T from the Utilities for the UDS II main menu.

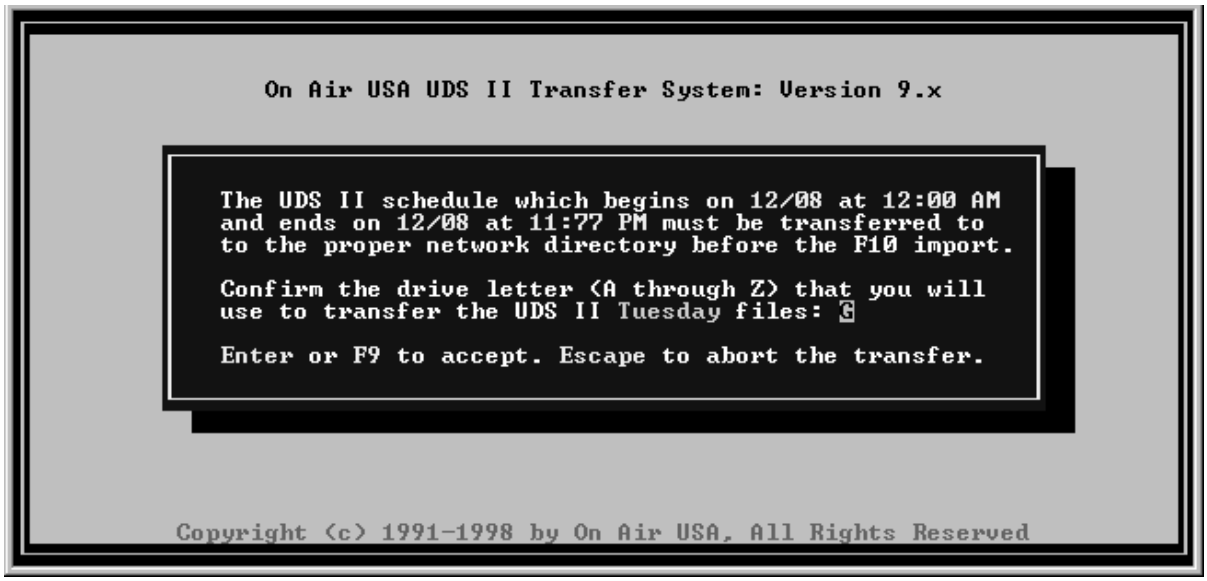
On Air USA UDS II Transfer System: Version 9.x
The UDS II schedule which begins on 12/08 at 12:00 AM
and ends on 12/08 at 11:77 PM must be transferred to
to the proper network directory before the F10 import.
Confirm the drive letter (A through Z) that you will
use to transfer the UDS II Tuesday files: C
Enter or F9 to accept. Escape to abort the transfer.
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-18 Transfer Completed Schedule Screen

If you are transferring schedules using a diskette, place a diskette into the diskette drive. Enter the drive letter of the diskette drive (usually A or B) then press ENTER to complete the transfer process.

If you are transferring schedules using a local area network, make sure that both the Powergold 2000 computer and the UDS II control computer are properly logged in. Enter the network drive letter you have designated for UDS II schedule files then press ENTER. Type the exact file path on the network drive then press ENTER to complete the transfer process.

Press ESC to return to the Utilities for the UDS II main menu.

📖 For detailed information on using this feature, see *Transfer Completed Schedule* beginning on page 3-141 of this chapter.

Utilities for the UDS II—Using the Utilities Every Day; A Quick Tour, continued

Tray Maps

If you are using CD changers with UDS II, you must inform the UDS II of the location of each compact disc in the system. This is accomplished with the Revise or Review Tray Maps function of the Utilities for the UDS II. Examine this feature by pressing R from the main menu of the Utilities.

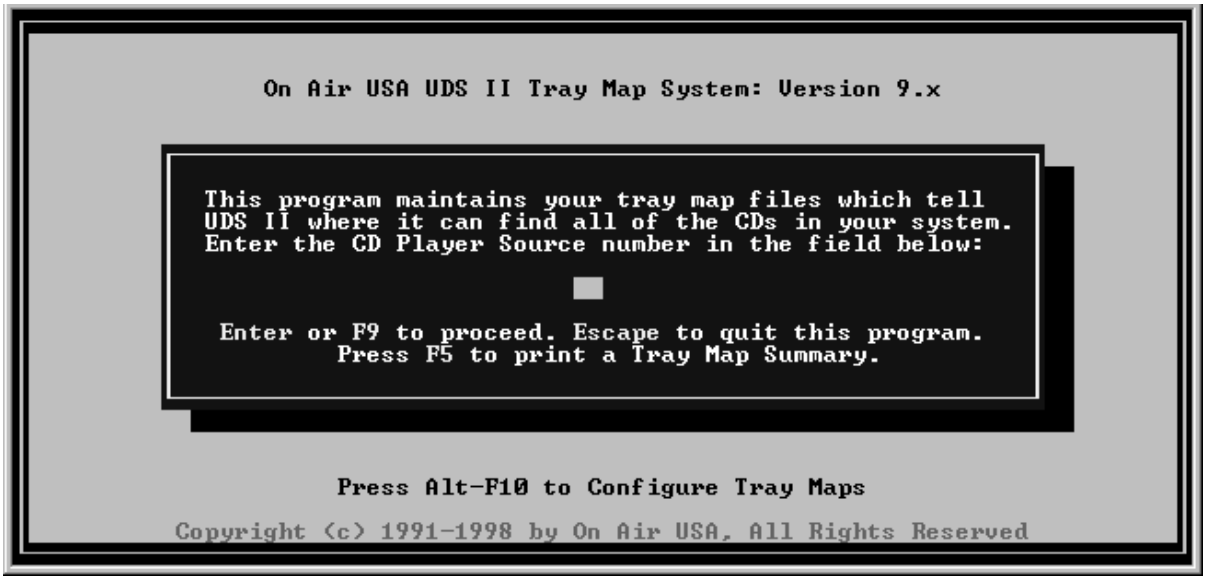
On Air USA UDS II Tray Map System: Version 9.x
This program maintains your tray map files which tell
UDS II where it can find all of the CDs in your system.
Enter the CD Player Source number in the field below:
Enter or F9 to proceed. Escape to quit this program.
Press F5 to print a Tray Map Summary.
Press Alt-F10 to Configure Tray Maps
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Figure 3-19 Revise or Review Tray Maps Screen

Enter the source number of the CD changer you wish to view or change then press ENTER. The screen will show a list of each CD ID in slot order for this machine. Use the ↑ and ↓ arrow keys to move the highlight up and down the tray map. If you have made any changes to the tray map, press F9 to save them before leaving this screen.

Press ESC to return to the Utilities for the UDS II main menu.

📖 For detailed information on using this feature, see *Revise or Review Tray Maps* beginning on page 3-148 of this chapter.

Utilities for the UDS II—Using the Utilities Every Day; A Quick Tour, continued

System Maintenance

Admittedly, you will not be using all of the System Maintenance menu options every day but no tour of the Utilities would be complete without a quick look at these critical tools. By now you have already used the License and Registration feature to complete the installation of these Utilities on your Powergold 2000 computer and the Build a UDS II Music Library feature to create the SSMUSIC.EXE file. These are features you should have to use only on rare occasion. However, the other features may be used more frequently. Examine the System Maintenance menu by pressing S from the main menu of the Utilities.

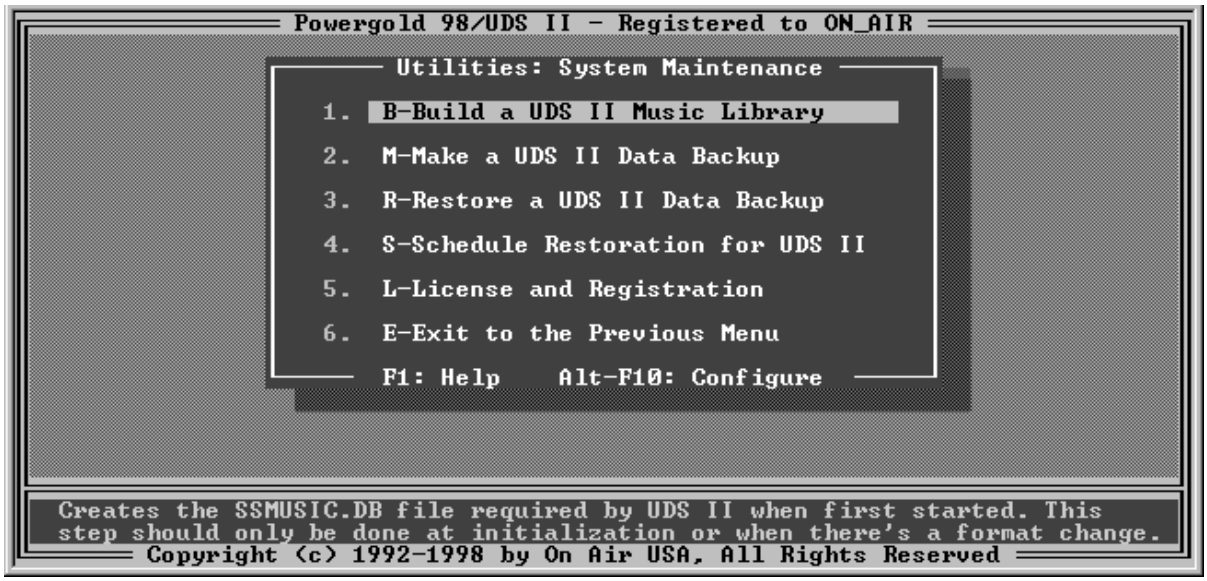
Powergold 98/UDS II - Registered to ON_AIR
Utilities: System Maintenance
1. B-Build a UDS II Music Library
2. M-Make a UDS II Data Backup
3. R-Restore a UDS II Data Backup
4. S-Schedule Restoration for UDS II
5. L-License and Registration
6. E-Exit to the Previous Menu
F1: Help Alt-F10: Configure
Creates the SSMUSIC.DB file required by UDS II when first started. This step should only be done at initialization or when there's a format change.
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Figure 3-20 System Maintenance Menu

Use the Make a UDS II Data Backup feature to preserve the tray maps, file paths, and system configuration for the Utilities for the UDS II to a diskette for safekeeping. We hope you will never have to use the Restore a UDS II Data Backup feature but updating the backup diskette at least weekly will speed recovery in the event of a scheduling computer crash or data loss.

Schedule Restoration similarly lets you recover lost data—this time in the form of merged schedules from the past 7 days. The Update the UDS II Music Library feature lets you enter changes for the database that will take when the current schedule is transferred and loaded.

📖 For detailed information on using these feature, see *System Maintenance Menu* beginning on page 3-158 of this chapter.

This concludes your quick tour of the Utilities for the UDS II. Detailed instructions for using each feature of the Utilities for the UDS II begin on the next page. Press ESC to return to the Utilities for the UDS II main menu.

Utilities for the UDS II, continued

The Utilities for the UDS II—In-Depth

Now that you have familiarized yourself with the general outline of the capabilities of the Utilities for UDS II, it is important that you understand each of these features in depth. Each feature of the Utilities for the UDS II is discussed and demonstrated in the order they appear on the main menu of the Utilities. This in-depth discussion begins on page 3-76

1. The Utilities for the UDS II are accessed from a program called POW98.

   - If you created the Windows desktop shortcut for the POW98 program, select it now to open the Data Selection menu.

   - If you have not yet created this shortcut, go to an MS-DOS prompt. Change to the working directory for the Utilities by typing C D \ P G 2 K U T I L ENTER. Type P O W 9 8 ENTER to open the Data Selection menu.

2. From the Data Selection menu, use the ↑ and ↓ arrow keys to choose the Powergold 2000 music database to open then press ENTER to run the Utilities for the UDS II.

3. The main menu of the Utilities is displayed, as in the figure below.

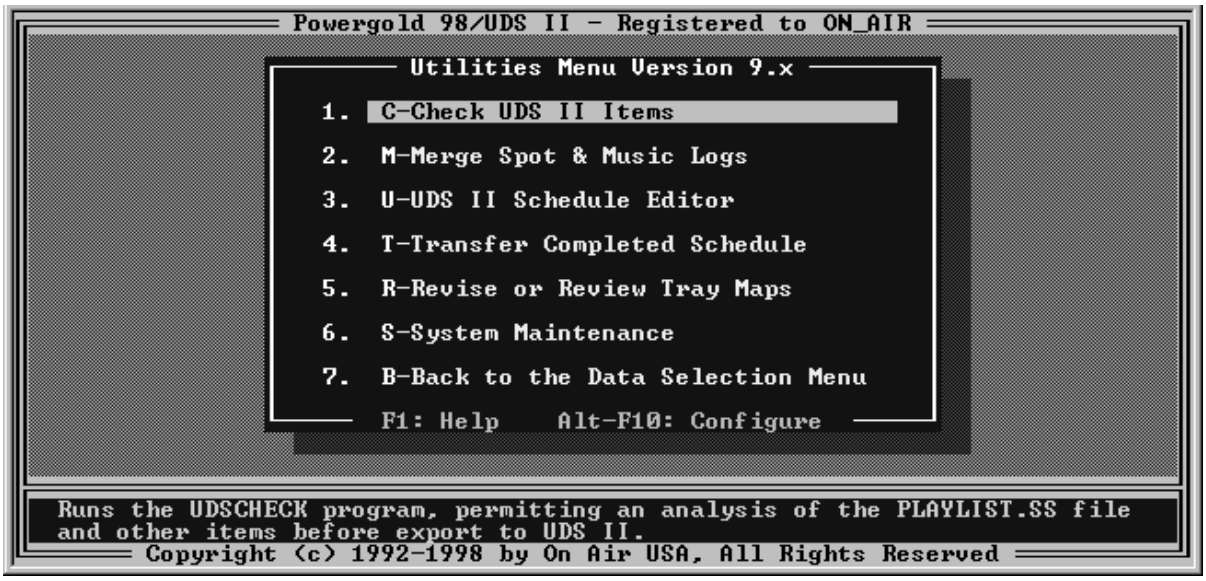
Powergold 98/UDS II - Registered to ON_AIR
Utilities Menu Version 9.x
1. C-Check UDS II Items
2. M-Merge Spot & Music Logs
3. U-UDS II Schedule Editor
4. T-Transfer Completed Schedule
5. R-Revise or Review Tray Maps
6. S-System Maintenance
7. B-Back to the Data Selection Menu
F1: Help Alt-F10: Configure
Runs the UDSCHECK program, permitting an analysis of the PLAYLIST.SS file and other items before export to UDS II.
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Figure 3-21 The Utilities for the UDS II Main Menu

Utilities for the UDS II—In Depth, continued

Utilities for the UDS II Main Menu

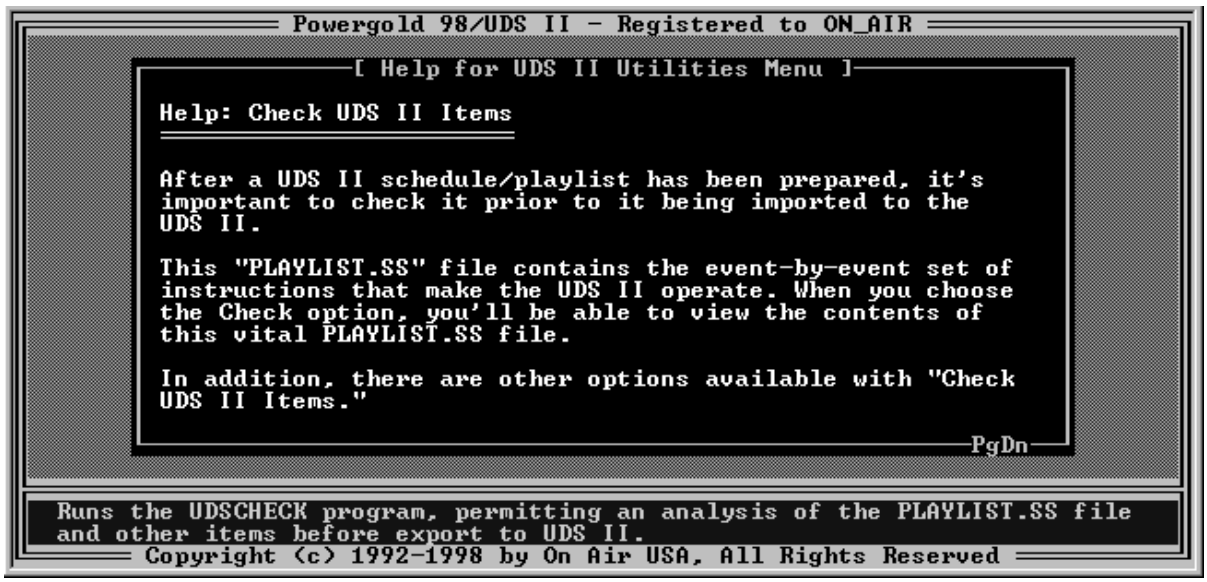
➪ Selecting Menu Items

There are several ways to select the menu items from the main menu. Throughout these instructions, you have been using the first letter of each menu item to select that feature. On the following pages each item is shown with the "hot key" letter that can be used to access the item.

The menu items are also numbered and pressing the number to the far left of a menu item will select that feature. You may also use the ↑ and ↓ arrow keys to highlight each item then press ENTER to continue. This method has a side-benefit related to online help, as described below.

➪ Getting Help

The Utilities menu features a dual Help system. Selecting an option by moving the highlight bar with the ↑ and ↓ arrow keys displays two-lines of corresponding "Quick-Help" near the bottom of the menu screen. In addition, detailed context-sensitive Help is available at any time by pressing the F1 key. For example, pressing F1 from the main menu with the first item `1. C Check UDS II Items` highlighted pops up the following Help window:


Powergold 98/UDS II - Registered to ON_AIR
[Help for UDS II Utilities Menu]
Help: Check UDS II Items
After a UDS II schedule/playlist has been prepared, it's important to check it prior to it being imported to the UDS II.
This "PLAYLIST.SS" file contains the event-by-event set of instructions that make the UDS II operate. When you choose the Check option, you'll be able to view the contents of this vital PLAYLIST.SS file.
In addition, there are other options available with "Check UDS II Items."
PgDn
Runs the UDSCHECK program, permitting an analysis of the PLAYLIST.SS file and other items before export to UDS II.
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Some of the online context-sensitive Help entries are so detailed that they require more than one screen for display. Use the PG UP and PG DN keys as indicated in the lower right corner of the screen to page through all of the available Help. Press ESC to exit Help.

Utilities for the UDS II, continued

Utilities for the UDS II Menu Selections

C Check UDS II Items

Check allows you to examine a schedule for errors, look at CD player and music category efficiency, and view recent changes to the UDS II music library. Details begin on page 3-77.

M Merge Spot & Music Logs

Merge permits you to merge your music and traffic logs into one schedule. Details begin on page 3-95.

U UDS II Schedule Editor

Edit lets you make changes, deletions, or additions to schedules before transfer to the UDS II. Details begin on page 3-101.

T Transfer Completed Schedule

Transfer sends the schedule to the UDS II. Details begin on page 3-141.

R Revise or Review Tray Maps

Access to a map of all CDs in the UDS II. Details begin on page 3-148.

S System Maintenance

System allows you to create new UDS II music libraries and save UDS II-specific information against data loss. Details begin on page 3-158.

B Back to the Data Selection Menu

Closes the Utilities for the UDS II and returns you to the database selection menu.

Utilities for the UDS II, continued

C Check UDS II Items

After a schedule has been prepared in Powergold 2000, you must check it for errors before transferring it to the UDS II.

With the Check program you can check and print your unmerged or merged schedules, get information about scheduled music and non-music events, locate specific discs by CD identifier, and verify music library updates before you send them to the UDS II.

The UDS II Check features are explained in detail on the following pages. They will be discussed in the order they appear on the menu shown below.

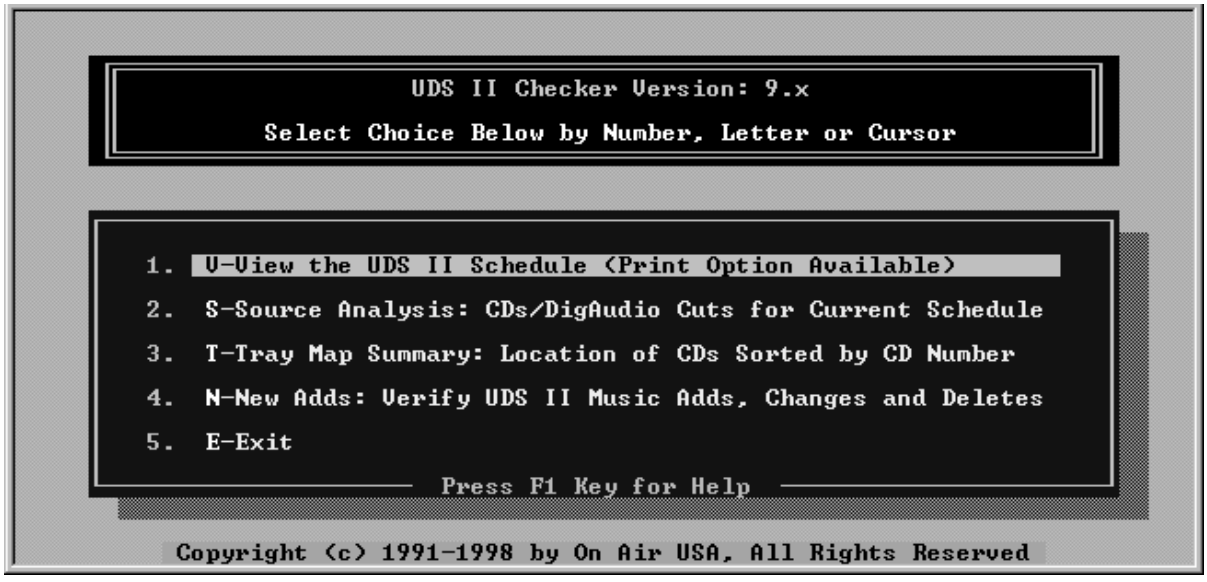
UDS II Checker Version: 9.x
Select Choice Below by Number, Letter or Cursor
1. V-View the UDS II Schedule (Print Option Available)
2. S-Source Analysis: CDs/DigAudio Cuts for Current Schedule
3. T-Tray Map Summary: Location of CDs Sorted by CD Number
4. N-New Adds: Verify UDS II Music Adds, Changes and Deletes
5. E-Exit
Press F1 Key for Help
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Figure 3-22 Check UDS II Items Menu

Utilities for the UDS II—Check UDS II Items, continued

V—View the UDS II Schedule (Print Option Available)

The View program displays the schedule that will drive the UDS II for that single day. The View program assists you in spotting problems with a schedule *before* it is imported into the UDS II. You do not want any non-scheduled positions or errors in your schedule. You *must* correct these problems before you load the schedule into the UDS II. To View the UDS II schedule, follow the directions outlined below:

1. From the UDS II Check menu, type V.

   The current schedule appears, as shown in the example below.

```
          UDS II SCHEDULE - PLAYLIST.SS FOR: 11/18/98  (EVUE 9.x)

                    This UDS II Schedule is Error Free.

>> == TRANSFER STATUS: This schedule has NOT been transferred.
Warning! This is an UNMERGED LOG! It should not be imported into the UDS!
» - - - - - - - - - - - - - - HOUR    MARKER - - - - - - - - - - - - - - -
Source   CD/Cart     Date  HH:MM     Length  Title/Artist & Breaknotes
! 09     DigAudio   11/18 12:00 AM 00:10    (1206) KJZY Legal ID
! 98     Text Notes 11/18 12:00 AM 00:00    PROMO REEBO AND ZOOTIE MORNING SHOW
  09     DigAudio   11/18 12:00 AM 00:00<   +0 [V] (VO01) Bruce Kelly V/O
  01     502-01     11/18 12:00 AM 07:58    :53 Stairway to Heaven--Led Zeppelin
  07     (120-00    11/18 12:08 AM 05:01    :10 Breezin'--Benson, George
  03     1129-01    11/18 12:13 AM 03:13    :10 Someone Else's Trou--Highway 101
! 94     Relay On   11/18 12:16 AM 00:02    [1] Relay 1 On
! 81     Delete to  11/18 12:16 AM 00:00    :08:00 Safe Time Update
! 99     + Catcher  11/18 12:16 AM 00:00    :00 :15 Catcher #1
! 09     DigAudio   11/18 12:16 AM 00:10    (1207) KJZY Medium-Fast Jingle
  02     597-04     11/18 12:17 AM 03:53    :16 Feelin' Satisfied--Boston
  03     1143-08    11/18 12:20 AM 03:31    :15 Guardian Angels--Judds
         For complete information on special key functions, press F1
```

Figure 3-23 View the UDS II Schedule Window

The top line of the view window shows the schedule date, followed by error status information, transfer status information, merge status information, and finally the schedule itself.

Utilities for the UDS II—Check UDS II Items; View, continued

Error Status Information

➪ If there are errors found in the schedule, View displays the following flashing red message:

```
Errors found in the schedule.
```

📖 For detailed information on the errors that can be detected and suggestions on how to correct them, see *Fixing Common Check Errors* on page 3-93 of this chapter.

➪ If there are no errors found in the schedule, View displays the following steady yellow message:

```
This UDS II Schedule is Error Free.
```

Transfer Status Information

The transfer status of the schedule is displayed next, indicating whether or not the schedule has been transferred for import into the UDS II.

➪ If the schedule has not been transferred, View displays the following steady brown message:

```
This schedule has NOT been transferred.
```

➪ If the schedule has been transferred, View displays the following steady cyan message:

```
This schedule has been transferred.
```

Merge Status Information

If you are using a DCS, the merge status of the schedule is displayed next.

➪ If the schedule has not been merged, View displays the following bright red message:

```
Warning! This is an UNMERGED LOG!
It should not be imported into the UDS II!
```

➪ If the schedule has been merged successfully, View does not display a merge-related message.

Utilities for the UDS II—Check UDS II Items; View, continued

Schedule Information

Following the initial status information is the schedule itself. The events in the schedule are listed chronologically, in the order they are scheduled to play in the UDS II. Each event is divided into six columns of information: Source, CD/Cart, Date, HH:MM, Length, and Title/Artist & Breaknotes.

1. The *Source* column shows the UDS II source number.

   If the source number is preceded by an exclamation point (`!`), that event is "mandatory" and will not be removed by the Source 81 non-destructive time-update command.

2. The *CD/Cart* column displays a variety of event-specific descriptions:

   For a *song on compact disc*, the disc number and track is shown.

   For a *song on UDS-HD hard drive*, the cart number and track 00 is shown.

   For a *live studio* event, `-Live Studio` is displayed.

   For *non-music digital audio events*, the CD/Cart column displays the following:

Using the Merge Program?	Has the log been merged?	CD/Cart column
No	--	`[NONMUSIC]`
Yes	No	`DigAudio`
Yes	Yes	Actual cart number

   For *time-update commands*, the CD/Cart column displays the following:

Source	Breaknote Description	CD/Cart column
81	Non-Destructive Time Update	`Delete To`
82	Destructive Time Update	`Delete To`
83	Update and Advance Time Update	`Do Next @`
90	Fill/Schedule Time Update	`Fill to @`

Utilities for the UDS II—Check UDS II Items; View, continued

For *utility relay commands*, the CD/Cart column displays the following:

Source	Breaknote Description	CD/Cart column
84	Utility Relay On by Time	`Relay On`
85	Utility Relay Off by Time	`Relay Off`
94	Utility Relay On by Position	`Relay On`
95	Utility Relay Off by Position	`Relay Off`

For *system start and stop commands*, the CD/Cart column displays the following:

Source	Breaknote Description	CD/Cart column
86	System Stop by Time	`Sys Stop`
87	System Start, Live Mode	`Sys Start`
88	System Start, AutoSegue Mode	`Sys Start`
96	System Stop by Position	`Sys Stop`

For *miscellaneous commands*, the CD/Cart column displays the following:

Source	Breaknote Description	CD/Cart column
89	Load Hotkey Files	`Load File`
97	Load Schedule	`Load Skd`
98	Informational Text Message	`Text Notes`
99	Spot-Catcher (prior to merge only)	`+Catcher`

📖 For more information on breaknotes and their uses refer to the *UDS II Breaknote Commands* section starting on page 3-11.

Utilities for the UDS II—Check UDS II Items; View, continued

3. The *Date* column shows the month and day the event is scheduled to air.

4. The *HH:MM* column shows the time (where HH is the hour and MM is the minute) the event is scheduled to air.

   If you wish to display hours, minutes and seconds on this screen (and throughout the Utilities for the UDS II), use the SECONDS.UDS flag file.

   📖 See *Customizing the Date Display* on page 3-172 later in this chapter for more information on flag files and how to create them.

5. The *Length* column shows the scheduled run time, in minutes and seconds, for the event.

   If a less-than symbol (<) follows the run time the displayed event is a *time-compare* event. UDS II will play this event for the amount of time listed before segueing to the next event in the schedule.

6. The *Title/Artist & Breaknotes* column shows the intro, title, and artist name for songs, the sponsor name for spots, the scheduled action time for updates and relay commands, and the breaknote description of liners, jingles, and other non-music events.

Utilities for the UDS II—Check UDS II Items; View, continued

Color codes are also used to identify each event in the schedule:

- *Songs* from any source appear in white.
- *Non-music audio events* appear in light green after the spot and music logs have been merged and are set off from the rest of the schedule by a row of light green boxes.
- *System commands* appear in light blue.
- *Spot catchers* (Source 99) appear in magenta.

  Note: Spot catchers are not displayed after the schedule has been merged.
- The *total number of events* and *total time in the hour* are shown in yellow at the end of each hour, just prior to the hour marker.

  Note: It is *normal* for times like 1:64 a.m. to be displayed. Modest over-scheduling of an hour is generally desired and, although a time such as 64 minutes past the hour doesn't exist in the "real world," it is a valid scheduled-at time for the UDS II.
- *Warnings* of potential problems in the schedule are shown in red:

  1. An event scheduled from "Source 0" means the song does not have a UDS II machine number in Powergold 2000's music library or no song was scheduled by Powergold 2000.

  2. Live studio events or other non-digital audio events are scheduled back to back. If you intended to schedule back-to-back live studio events, you can configure the Utilities to ignore this conflict. For other non-digital audio events, this effect of this error is also dependent on the UDS II equipment file settings and your UDS II system configuration.

  3. Two songs from the same CD player are either scheduled back-to-back or are not separated by sufficient digital audio or other non-music elements to allow the CD changer to reload. The back-to-back-play warning is suppressed for dual-player CD changers or if there are events of sufficient duration to give UDS II enough time to reload the CD players.

Utilities for the UDS II—Check UDS II Items; View, continued

Moving Around in View

To find errors in the schedule being viewed, either press CTRL PG DN or ENTER. This moves the display to the next error in the schedule, if one exists. If no error is found, the display does not change. To return the display to a previous error, either press CTRL PG UP or CTRL ENTER.

***Important*:** Make a note of any errors, so you can correct them in Powergold 2000.

To browse the schedule without checking for errors, a number of commands are available to move the display.

↑ Scrolls the display **up** one line.

↓ Scrolls the display **down** one line.

HOME Zooms to the **beginning** of the schedule or report, so that the first line appears at the top of the display.

END Zooms to the **end** of the schedule or report, so that the End of Report marker is at the bottom of the display.

PG DN Scrolls the display **down 22 lines** from the current position.

PG UP Scrolls the display **up 22 lines** from the current position.

⇥ Tab - Moves forward to the **next hour**.
The hour marker appears at the top of the view window.

SHIFT ⇥ Shift+Tab - Moves backward to the **previous hour**.
The hour marker appears at the top of the view window.

F1 Displays the **Help** window. Pressing ESC or X from the Help window returns the display to the previous screen.

ESC **Exits** View, returning to the UDS II Check menu.

***Note*:** The schedule display does not wrap around or move beyond the beginning or end of the scheduled events list.

Utilities for the UDS II—Check UDS II Items; View, continued

Time Status

The schedule is separated by hour markers. At the end of each hour the "Total Time" and "Number of Events" are displayed for that hour. The status message at the end of the schedule shows the "Total Time of Entire Schedule" and the "Total Number of Events".

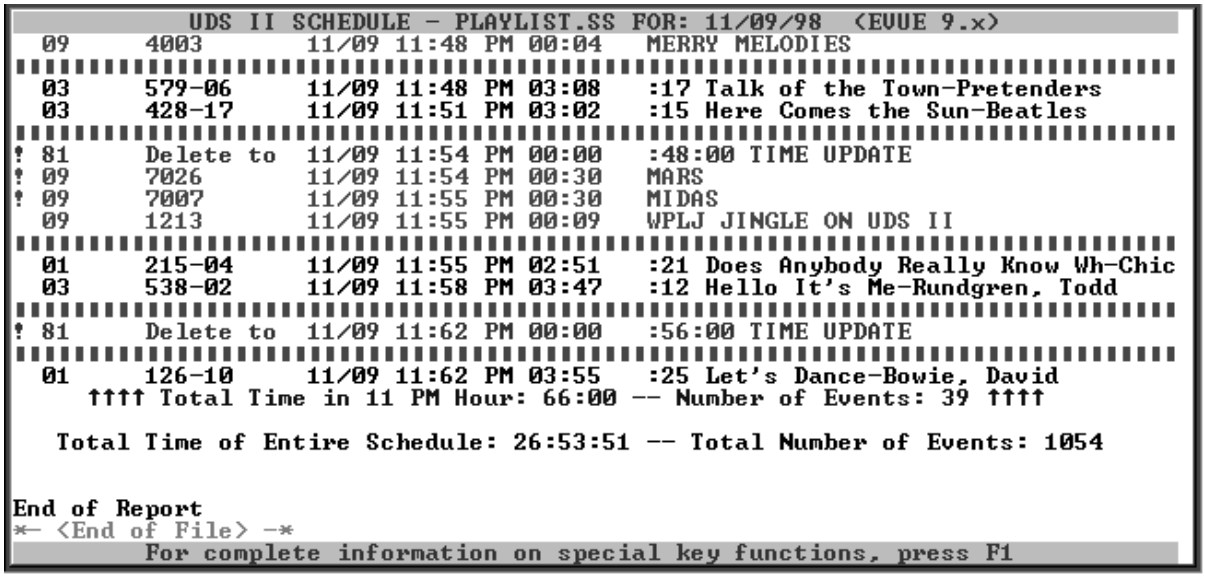
UDS II SCHEDULE - PLAYLIST.SS FOR: 11/09/98 (EVUE 9.x)
09 4003 11/09 11:48 PM 00:04 MERRY MELODIES
03 579-06 11/09 11:48 PM 03:08 :17 Talk of the Town-Pretenders
03 428-17 11/09 11:51 PM 03:02 :15 Here Comes the Sun-Beatles
! 81 Delete to 11/09 11:54 PM 00:00 :48:00 TIME UPDATE
! 09 7026 11/09 11:54 PM 00:30 MARS
! 09 7007 11/09 11:55 PM 00:30 MIDAS
09 1213 11/09 11:55 PM 00:09 WPLJ JINGLE ON UDS II
01 215-04 11/09 11:55 PM 02:51 :21 Does Anybody Really Know Wh-Chic
03 538-02 11/09 11:58 PM 03:47 :12 Hello It's Me-Rundgren, Todd
! 81 Delete to 11/09 11:62 PM 00:00 :56:00 TIME UPDATE
01 126-10 11/09 11:62 PM 03:55 :25 Let's Dance-Bowie, David
†††† Total Time in 11 PM Hour: 66:00 -- Number of Events: 39 ††††
Total Time of Entire Schedule: 26:53:51 -- Total Number of Events: 1054
End of Report
- <End of File> -
For complete information on special key functions, press F1

Figure 3-24 Viewing the end of the schedule and the totals

Print Schedule

If you would like to print the displayed schedule to an Epson-compatible printer, the following commands are available:

P Prints the **entire** schedule in a series of sixty-line pages.

ALT P Prints a **range** of hours.

The range of hours is inclusive, so that choosing `01 PM` through `03 PM` prints the 1 p.m., 2 p.m. and 3 p.m. hours.

Choosing `04 AM` for both the begin and end hour prints the 4 a.m. hour only.

Utilities for the UDS II—Check UDS II Items, continued

S—Source Analysis: CDs/DigAudio Cuts for Current Schedule

The Source Analysis: CDs/DigAudio Cuts for Current Schedule option allows you to analyze the sources called for in the current schedule.

To use the Source Analysis option, follow the directions outlined below:

1. From the UDS II Check menu, type S.

   The UDS II Schedule Source Analysis window appears, as shown below:

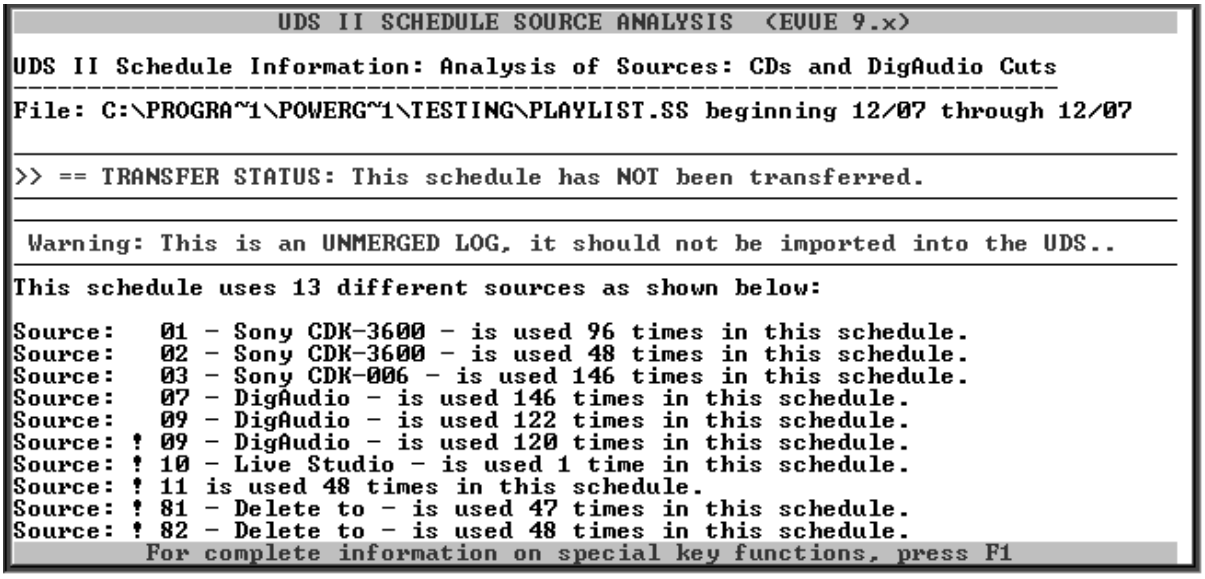
UDS II SCHEDULE SOURCE ANALYSIS (EVUE 9.x)
UDS II Schedule Information: Analysis of Sources: CDs and DigAudio Cuts
File: C:\PROGRA~1\POWERG~1\TESTING\PLAYLIST.SS beginning 12/07 through 12/07
>> == TRANSFER STATUS: This schedule has NOT been transferred.
Warning: This is an UNMERGED LOG, it should not be imported into the UDS..
This schedule uses 13 different sources as shown below:
Source: 01 - Sony CDK-3600 - is used 96 times in this schedule.
Source: 02 - Sony CDK-3600 - is used 48 times in this schedule.
Source: 03 - Sony CDK-006 - is used 146 times in this schedule.
Source: 07 - DigAudio - is used 146 times in this schedule.
Source: 09 - DigAudio - is used 122 times in this schedule.
Source: ! 09 - DigAudio - is used 120 times in this schedule.
Source: ! 10 - Live Studio - is used 1 time in this schedule.
Source: ! 11 is used 48 times in this schedule.
Source: ! 81 - Delete to - is used 47 times in this schedule.
Source: ! 82 - Delete to - is used 48 times in this schedule.
For complete information on special key functions, press F1

Figure 3-25 UDS II Schedule Source Analysis Window

The transfer status for the schedule being analyzed is displayed first, followed by a red warning message if the current log has not yet been merged. Please note, the not-merged warning only appears if you are using the UDS II Merge program.

Once the music and spot logs have been successfully merged (or, if you are not using the merge program, immediately), a yellow information message appears showing the number of events to be imported by the UDS II. *Make a note of this number.* The number of imported items on the UDS II F10 Load Schedule window and in the UDS II Schedule Import Report should match this number.

The Source Analysis also shows what sources are used in the UDS II schedule and how often each source is accessed.

Utilities for the UDS II—Check UDS II Items; Source Analysis, continued

- If there is an exclamation point (!) preceding a source, it is a must-play item and is not subject to being dropped by the UDS II time update function.

- The total number of *different* events is also displayed. For example, if spot number 4201 is used 5 times in the schedule, it still counts as just one unique event.

2. Press PG DN to proceed to the next page of the UDS II Schedule Source Analysis, the CD Usage Report, as shown below.

   Use the PG UP and PG DN keys to move through the report one page at a time. Use the ↑ and ↓ arrow keys to move through the report one line at a time.

   The Source Analysis also shows what percentages of CDs in the tray maps are used by the current schedule. The second page of the Source Analysis report shows each CD used in the schedule (sorted by CD identifier) and the number of times each CD is used.

```
                UDS II SCHEDULE SOURCE ANALYSIS  (EVUE 9.x)
There are 127 different 'events' scheduled in this log.
-------------------------------------------------------------------------------

A total of 65 CDs are called for in this schedule.

You have 76 CDs in the tray maps. This schedule uses 85.5% of all the CDs
you've put in your tray maps.

Here's how often your CDs are used in this schedule:

CD   122 is used   6 times in this schedule.
CD   126 is used   6 times in this schedule.
CD   132 is used   6 times in this schedule.
 **  CD   132 is NOT found in the 'Tray Map!'  **
CD   154 is used   2 times in this schedule.
CD   167 is used   5 times in this schedule.
CD   206 is used   1 time in this schedule.
CD   215 is used  11 times in this schedule.
CD   428 is used   4 times in this schedule.
CD   502 is used  11 times in this schedule.
CD   503 is used  12 times in this schedule.
CD   504 is used  10 times in this schedule.
CD   507 is used   5 times in this schedule.
        For complete information on special key functions, press F1
```

Figure 3-26 Source Analysis CD Usage Report

The Source Analysis compares the current schedule with the current tray maps. Any discrepancies are flagged with a red warning message. If a CD, for example disc number 1034, is called for in the schedule and this disc does not appear in the tray maps, the following warning message is displayed:

```
** CD 1034 is NOT found in the 'Tray Map!' **
```

IMPORTANT! All CDs scheduled to be played *must* be found in the tray maps. Songs played from UDS-HD music on hard-drive should *not* be placed in the tray maps.

Utilities for the UDS II—Check UDS II Items; Source Analysis, continued

- If a full duplicate library system is in use with Sony CDK-006 or NSM 3101AC players, all duplicate CDs appear from the lower of the two source numbers assigned to each pair of those machines. This is normal, because the UDS II resolves the apparent source conflicts for each song at schedule import time.

- All UDS II events *mus*t come from a valid source. Source 0 (zero) is always an invalid source and should *not* be part of the schedule. The Source Analysis shows how many times source 0 is found in the schedule—and by scrolling the display down a few lines, the air times and dates of all source 0 events.

3. Press PG DN several times to proceed to the next page of the UDS II Schedule Source Analysis, the Digital Audio Usage Report, as shown below.

```
                UDS II SCHEDULE SOURCE ANALYSIS  (EVUE 9.x)

There are 216 events programmed from a source other than DigAudio.

_____________________________________________________________________

There are 61 different DigAudio cuts used in this schedule:
DigAudio Cut 1204/KJZY JINGLE               is used   4 times in this schedule.
DigAudio Cut 1205/KJZY JINGLE               is used  28 times in this schedule.
DigAudio Cut 1206/KJZY JINGLE               is used   5 times in this schedule.
DigAudio Cut 1207/KJZY JINGLE               is used  29 times in this schedule.
DigAudio Cut 1208/KJZY JINGLE               is used  29 times in this schedule.
DigAudio Cut 1209/KJZY JINGLE               is used   5 times in this schedule.
DigAudio Cut 1210/KJZY JINGLE               is used   5 times in this schedule.
DigAudio Cut 1211/KJZY JINGLE               is used   5 times in this schedule.
DigAudio Cut 1212/KJZY JINGLE               is used   5 times in this schedule.
DigAudio Cut 1213/KJZY BOTTOM HOUR JINGLE   is used  29 times in this schedule.
DigAudio Cut 2005/KJZY JINGLE               is used  24 times in this schedule.
DigAudio Cut 2502/NAB COUNTRY RADIO         is used   2 times in this schedule.
DigAudio Cut 4001/KJZY LEGAL ID             is used  24 times in this schedule.
DigAudio Cut 4003/MERRY MELODIES            is used  24 times in this schedule.
DigAudio Cut 7001/BANK ONE                  is used  14 times in this schedule.
DigAudio Cut 7003/VINCE GILL PSA            is used   1 time in this schedule.
DigAudio Cut 7004/SEARS                     is used   4 times in this schedule.
        For complete information on special key functions, press F1
```

Figure 3-27 Source Analysis Digital Audio Usage Report

The total number of non-music events that are scheduled to be played from a source other than the primary digital audio source is displayed. These events include time update commands, text message breaknotes, and utility relay commands.

If you are merging the music and spot logs, and the log has been successfully merged, all of the digital audio events are displayed in light green. This can be particularly useful for verifying that all commercial spots that are supposed to play that day are indeed scheduled and accounted for. The events are sorted in order by cart number, as shown above. The client name, if available, is shown as well as the number of times each cart is called for by the schedule.

Utilities for the UDS II—Check UDS II Items; Source Analysis, continued

Printing the Source Analysis Report

The report may be printed by pressing the P key.

In addition, part of the report may be printed using the following commands. This allows you to print only the information you need, saving time and paper:

ALT T — Begins the marking of a portion of the report for printing. The block of text to print begins at the top line of the display.

ALT B — Ends the marking of a portion of the report for printing. The block of text to print ends with the line currently shown at the bottom of the display or at the <End of File> marker, whichever comes first.

If you press ALT B without first marking a top line, the *entire* file is marked for printing. Once the file has been marked, you *must* either press ALT P or ALT U to "unmark" the file.

ALT P — Prints only the marked block. This key is inactive if there is no marked block.

ALT U — Unmarks a marked block without printing.

Press ESC to return to the UDS II Check menu.

Utilities for the UDS II—Check UDS II Items, continued

T—Tray Map Summary: Location of CDs Sorted by CD Number

Unlike the actual tray maps, which are shown in order by slot number, this report is sorted by CD identification number. This makes it easier to determine where a specific CD is located in which CD player. The list is sorted such that disc '9' appears before disc 'A' and disc '201' precedes disc '1005' in the list.

To display the Tray Map Summary, follow the directions outlined below:

1. From the UDS II Check menu, type T.

   The Tray Map Summary report appears, as shown below:

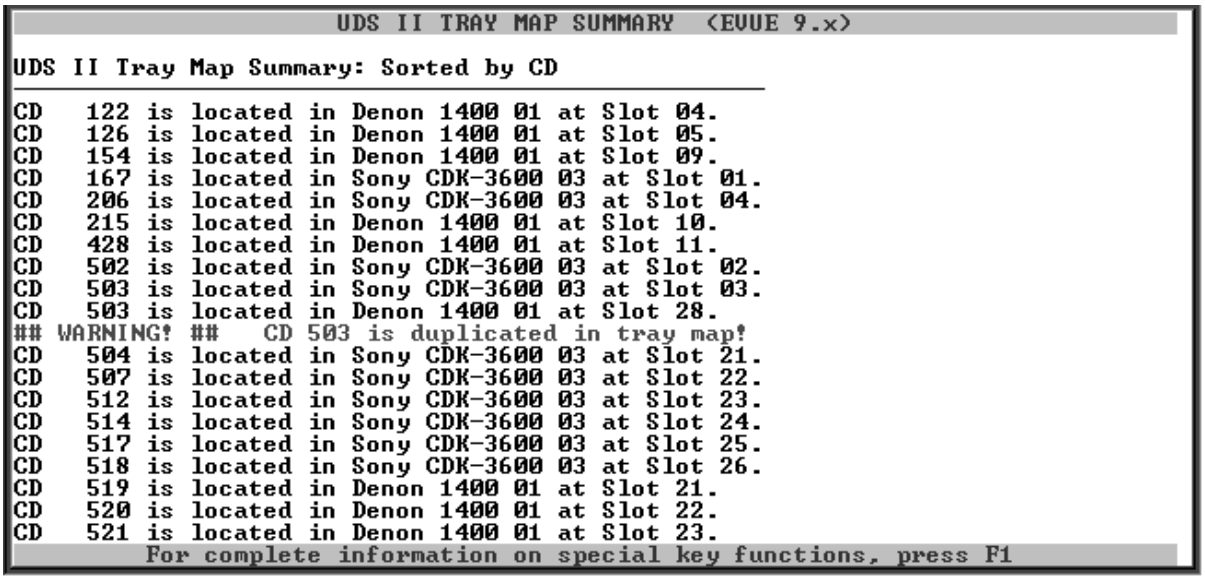
UDS II TRAY MAP SUMMARY (EVUE 9.x)
UDS II Tray Map Summary: Sorted by CD
CD 122 is located in Denon 1400 01 at Slot 04.
CD 126 is located in Denon 1400 01 at Slot 05.
CD 154 is located in Denon 1400 01 at Slot 09.
CD 167 is located in Sony CDK-3600 03 at Slot 01.
CD 206 is located in Sony CDK-3600 03 at Slot 04.
CD 215 is located in Denon 1400 01 at Slot 10.
CD 428 is located in Denon 1400 01 at Slot 11.
CD 502 is located in Sony CDK-3600 03 at Slot 02.
CD 503 is located in Sony CDK-3600 03 at Slot 03.
CD 503 is located in Denon 1400 01 at Slot 28.
WARNING! ## CD 503 is duplicated in tray map!
CD 504 is located in Sony CDK-3600 03 at Slot 21.
CD 507 is located in Sony CDK-3600 03 at Slot 22.
CD 512 is located in Sony CDK-3600 03 at Slot 23.
CD 514 is located in Sony CDK-3600 03 at Slot 24.
CD 517 is located in Sony CDK-3600 03 at Slot 25.
CD 518 is located in Sony CDK-3600 03 at Slot 26.
CD 519 is located in Denon 1400 01 at Slot 21.
CD 520 is located in Denon 1400 01 at Slot 22.
CD 521 is located in Denon 1400 01 at Slot 23.
For complete information on special key functions, press F1

Figure 3-28 Tray Map Summary Report Window

- If duplicate libraries are in use, the locations for all copies of each CD are shown on the same line.
- If you are not using duplicate libraries and a CD appears more than once in the tray maps, a warning is displayed (as shown in the example above). This problem must be fixed before loading a schedule into the UDS II since each CD must have a single location (unless you are using duplicate libraries). Pressing CTRL PG DN "zooms" to the next warning message, if any.
- The total number of CDs in the tray maps is displayed at the end of the report.
- The entire report may be printed by pressing the P key. See *Printing the Source Analysis Report* on the previous page for commands to print a portion of the report.

2. Press ESC to return to the Check menu.

Utilities for the UDS II—Check UDS II Items, continued

N—New Adds: Verify UDS II Music Adds, Changes and Deletes

Anytime a song is added or deleted, or the title, artist, intro time, run time, or ending of a song is changed in Powergold 2000's music library, a special file called NEWADDS.DB may be created when you create the daily music schedule from Powergold 2000's Automation Files window.

The next time you transfer a schedule to the UDS II, this NEWADDS.DB file is transferred with the schedule. During schedule import, NEWADDS.DB updates the UDS II music library automatically (as opposed to doing these updates manually in the F5 Music Library window of the UDS II).

***Note*:** Moving a song to another Powergold 2000 category or a change in tempo, texture, or mood is not a "change" in this context since UDS II does not use or store this information.

The New Adds report allows you to preview these music library updates both before and after the associated schedule has been transferred but before those changes are actually imported to the UDS II.

To display the New Adds report, follow the directions outlined below:

1. From the UDS II Check menu, type N.

   The UDS II Music Change/Add/Deletion report appears.

```
            UDS II MUSIC CHANGE/ADD/DELETION REPORT  (EVUE 9.x)
Summary of: C:\PROGRA~1\POWERG~1\TESTING\NEWADDS.DB dated Mon Nov 30 16:10:06 1
The following is a summary of the file's contents
--------------------------------------------------------------------------------
ADD/CHG   2002-09 Fallin' For You For Twitty, Conway      (:17/F) 04:25  [00.0]
ADD/CHG    172-09 Once Bitten, Twice  Great White         (:21/F) 05:04  [00.0]
ADD/CHG    255-05 Forever In Love [si G, Kenny           (:00/F) 03:55  [00.0]

Number of NEW ADDS or CHANGED songs: 3.
--------------------------------------------------------------------------------

Summary of: NEWADDS.OLD dated Mon Nov 30 16:07:04 1998
The following is a summary of the file's contents
--------------------------------------------------------------------------------
ADD/CHG    108-02 True                Spandau Ballet      (:37/F) 05:19  [00.0]

Number of NEW ADDS or CHANGED songs: 1.
--------------------------------------------------------------------------------

Summary of: NEWADDS.001 dated Mon Nov 30 16:07:04 1998
The following is a summary of the file's contents
--------------------------------------------------------------------------------
ADD/CHG    108-02 True                Spandau Ballet      (:37/F) 05:19  [00.0]

        For complete information on special key functions, press F1
```

Figure 3-29 UDS II Music Change/Add/Deletion Report

Utilities for the UDS II—Check UDS II Items, continued

2. Use the PG DN key and the ↑ and ↓ arrow keys to review the report.

   After the NEWADDS.DB music library update file is created and transferred, it is renamed to NEWADDS.OLD and copied to NEWADDS.001. Previous NEWADDS files are renamed accordingly with the oldest file having the highest number.

   The most recent NEWADDS.OLD list is displayed at the beginning of the report and is immediately followed by NEWADDS.001 and all other previous NEWADDS files in descending numerical/chronological order. The oldest NEWADDS file is at the end of the New Adds report.

```
            UDS II MUSIC CHANGE/ADD/DELETION REPORT  (EVUE 9.x)
DELETE    1181-15 How Do I Get There  Carter, Deana       (:20/F) 03:19  [00.0]
NEW ADD   1181-16 Everywhere          McGraw, Tim         (:10/F) 04:15  [00.0]

Number of DELETED songs: 1.
Number of NEW ADDS: 1.
--------------------------------------------------------------------------------

Summary of: NEWADDS.007 dated Mon Jan 26 17:59:06 1998
The following is a summary of the file's contents
--------------------------------------------------------------------------------
DELETE    1181-13 Helping Me Get Over Tritt, Travis      (:12/C) 04:00  [00.0]
NEW ADD   1179-18 Who's Cheatin' Who  Jackson, Alan      (:22/F) 03:49  [00.0]
CHANGE    153B-18 If It's All Good    Colour Club        (:22/F) 04:07  [00.0]

Number of DELETED songs: 1.
Number of NEW ADDS: 1.
Number of CHANGED songs: 1.
--------------------------------------------------------------------------------



End of Report
*- <End of File> -*
        For complete information on special key functions, press F1
```

Figure 3-30 Music Change/Add/Deletion Report with Old NEWADDS Lists

   The New Adds report may be printed by pressing P.

3. When you are done viewing this report, press ESC to return to the UDS II Check Menu.

E—Exit

This option exits the UDS II Check menu and returns you to the Utilities for the UDS II menu. The ESC key may also be pressed to exit.

Utilities for the UDS II—Check UDS II Items, continued

Fixing Common Check Errors

➪ `A special file <Filename> must be present to select <Option>.`

The file you are trying to check cannot be found by Check.

Option:	Filename:
View	PLAYLIST.SS
Source Analysis	PLAYLIST.SS *and* TRAYMAP.XXX
Tray Map Summary	TRAYMAP.XXX
New Adds	NEWADDS.DB or NEWADDS.OLD

PLAYLIST.SS, the UDS II music schedule, is created from a list of available days on Powergold 2000's Automation Files window Try recreating the music schedule from inside Powergold 2000.

TRAYMAP.XXX (where *XXX* represents the actual source number of the CD changer) is created when you edit the Tray Maps. Check the Tray Maps for accuracy and try again.

NEWADDS.DB is created for the purpose of updating the UDS II music library when any additions, deletes, or changes are made in Powergold 2000. This file is created when significant changes are made to the music library and a music schedule is created in Powergold 2000's Automation Files window.

NEWADDS.OLD is a copy of the last NEWADDS.DB report. This file is created only after the schedule is transferred.

➪ `The analysis report is invalid--no records were found.`

The Powergold 2000-created ANALYZE.TXT file is empty. Either there is no music in the selected music library or the music library is damaged beyond hope of repair. Restore your most recent Powergold 2000 backup and run the ANALYZE2 program again.

➪ `Number of days in UDS II Schedule is more than 1`

Check can only analyze or print a schedule up to one day long.

Utilities for the UDS II—Check UDS II Items; Fixing Common Check Errors, continued

➪ `General memory allocation or file I/O error`

This often indicates a memory (RAM) or hardware (usually hard disk) problem. Try reprinting the schedule from Powergold 2000. If that does not solve the problem, exit all programs, run ScanDisk. Access ScanDisk by clicking the Start button then choosing Programs > Accessories > System Tools

🕮 Read the *Windows 95 User's Guide* provided with your Powergold 2000 computer's operating system for more information about using the ScanDisk program.

➪ `PLAYLIST.SS is incorrect size or zero`

Indicates a problem with the schedule file. Try recreating the schedule from Powergold 2000. If that does not solve the problem, exit all programs, run Microsoft's ScanDisk. Access ScanDisk by clicking the Start button then choosing Programs > Accessories > System Tools

🕮 Read the *Windows 95 User's Guide* provided with your Powergold 2000 computer's operating system for more information about using the ScanDisk program.

➪ `TRAYMAP.XXX is incorrect size or zero`

Indicates a problem with the tray map file, where XXX represents the zero-padded three digit UDS II source number. Restore the system data backup from Utilities for the UDS II—System Maintenance menu. If that does not solve the problem, exit all programs, run ScanDisk. Access ScanDisk by clicking the Start button then choosing Programs > Accessories > System Tools

🕮 For more information about restoring the system backup files, read *System Maintenance—Restore a UDS II Data Backup* starting on page 3-166.

🕮 Read the *Windows 95 User's Guide* provided with your Powergold 2000 computer's operating system for more information about using the ScanDisk program.

Utilities for the UDS II, continued

Merge Spot & Music Logs

IMPORTANT! The Merge option is available *only* to stations using digital audio hard-drive storage with a serial interface to the UDS II.

IMPORTANT! In addition to the UDS II Merge traffic interface from On Air Digital, your traffic and billing software may require an automation interface provided by the traffic and billing software company. Please contact them *directly* for more information.

The UDS II uses a special computer file, known as a *schedule* to know what to play and when to play it. Music schedules are produced by Powergold 2000 and merged with traffic logs using the Utilities for the UDS II Merge Spot & Music Logs function. The Merge Spot & Music Logs function allows you to load a single day's schedule into UDS II that plays not just music, but also liners, commercials, sweepers, jingles, legal identifiers, and much more.

Merge creates a composite log, placing spots from the traffic and billing software's commercial log into the music schedule at places you preset for the commercial breaks to occur. Merge also processes rotating breaknotes, live spots, empty stop sets, conditional breaknote commands and more.

The basic procedure for putting the logs together is as follows:

1. Create a single-day music log from Powergold 2000.

2. Check the music log for errors using the UDS II Check utilities.

3. Merge the music log with the matching single-day traffic log.

4. Check the music log again for any errors that may have been introduced during the Merge process.

Utilities for the UDS II—Merge Spot & Music Logs, continued

Getting Started

From the Utilities menu, press M to select Merge Spot & Music Logs.

➪ If there is no Merge program installed in the subdirectory, the following message appears on your screen:

```
The UDS II Commercial Log Merge System is not
          installed on your computer.
Call On Air Digital if you'd like to have this program.
```

If you have installed the Utilities for UDS II and you get this message, you should reinstall the Utilities as detailed on page 3-46 of this chapter.

If that *still* does not fix the problem, please contact On Air Digital to arrange for the shipment of a new set of Utilities.

➪ If the Merge utility is installed properly and you are running the program for the first time, the Commercial Merge Configuration Setup screen will be displayed. You must set up the Merge program before continuing. Details for configuring the Merge utility begin on page 3-57.

Once the Merge program is properly installed and configured, proceed to *Using the Merge Program* on page 3-97.

Utilities for the UDS II—Merge Spot & Music Logs, continued

Using the Merge Program

When you plan to merge the Powergold 2000 music schedule with a traffic program's commercial log, the music schedule *must* be converted from Powergold 2000 as a single 24-hour-day log. This single-day music log is then merged with the traffic department's single-day traffic log using the Merge utility. Follow the directions below to merge your spot and music logs:

1. From the Utilities menu, press M to select Merge Spot & Music Logs.

2. The computer displays the Log File Name entry screen. The entry field contains the "filespec for spot log" you entered in the Commercial Merge Configuration Setup screen, as described on page 3-57.

   ➪ If you pre-configured a partial filespec as well as a drive and path for the spot log, press F3 to pick from a list of matching log files. Use the ↑ or ↓ key to highlight the spot log to merge and press ENTER to accept it. Press ENTER again to begin the merge process.

      ➢ For example, if you configured Merge to find Datacount DARTS spot logs (with the file extension .LOG) in the UDSLOGS subdirectory of the G: drive, the entry field will show G:\TRAFFIC*.LOG.

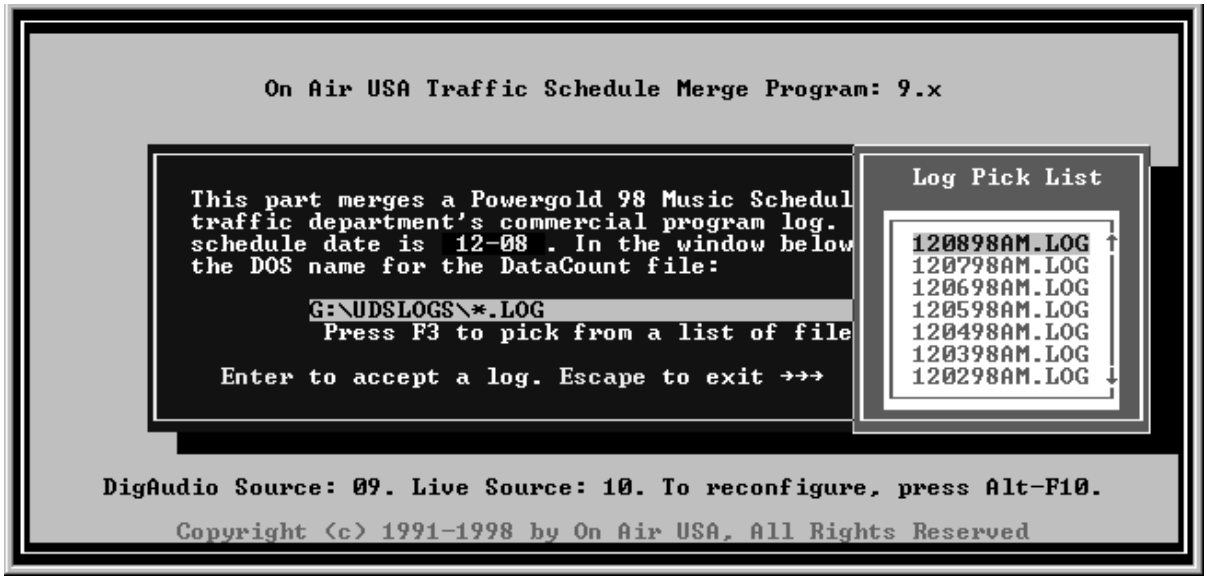
On Air USA Traffic Schedule Merge Program: 9.x
This part merges a Powergold 98 Music Schedul
traffic department's commercial program log.
schedule date is 12-08 . In the window below
the DOS name for the DataCount file:
G:\UDSLOGS*.LOG
Press F3 to pick from a list of file
Enter to accept a log. Escape to exit →→→
Log Pick List
120898AM.LOG
120798AM.LOG
120698AM.LOG
120598AM.LOG
120498AM.LOG
120398AM.LOG
120298AM.LOG
DigAudio Source: 09. Live Source: 10. To reconfigure, press Alt-F10.
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-31 UDS II Merge Program with Log Pick List

Utilities for the UDS II—Merge Spot & Music Logs; Using the Merge Program, continued

- ➢ To merge a for Saturday, November 14, 1998, press F3 to display a list of available spot logs.
- ➢ Use the ↓ key to move the highlight 111498FM.LOG.
- ➢ Press ENTER to select this log.
  The log file name you selected will replace "*.LOG" in the entry field.
- ➢ Press ENTER to begin the merge process.

➪ If you pre-configured a drive and path for the spot log, type only the spot log's file name and press ENTER to begin the merge process.

- ➢ For example, if you configured the Merge program to find CBSI spot logs (with the file extension `.EVT`) in the root directory of the B: diskette drive, the entry field will show `B:\.`
- ➢ To merge a log for Saturday, type S A T . E V T.
- ➢ Press ENTER to being the merge process.

➪ If you did not pre-configure filespec information for the spot log, type the drive letter, directory path, and file name of the spot log and press ENTER to begin the merge process.

- ➢ For example, if the log for Saturday, November 14, 1998. is stored in the FMLOGS subdirectory on the F: drive, type
  F : \ F M L O G S \ 1 1 1 4 9 8 F M . L O G
- ➢ Press ENTER to begin the merge process.

3. The computer works for a moment then, if the merge process is successful, displays the following message:

```
Success! Merge project is complete!
```

🕮 If an error message is displayed instead, see *Fixing Common Merge Errors* on page 3-99.

4. Press SPACE to return to the Utilities menu.

Utilities for the UDS II—Merge Spot & Music Log, continued

Fixing Common Merge Errors

➪ `Music and spot logs out of sync. Spot log shows <event> at <time>, music log shows <time>.`

Where <event> and <time> represent actual times and event numbers in the schedule. The cause of this most-common of merge process failures is the absence of a spot-catcher to cover the minute in the hour the spot was scheduled.

Check your breaknotes in the Powergold 2000 clocks. Make absolutely sure the breaknotes are set correctly in the clocks so that there won't be any lost commercials.

📖 See the *Breaknote Commands* section starting on page 3-11 for more details.

➪ `Time increment or range error-probably in spot log.`

The spot is scheduled at a time outside of the sixty-minute hour.

For example, a spot scheduled to play at 8:61 a.m. can cause this error. Fix this in the traffic scheduling software's editor, and recreate the traffic log.

➪ `Dates differ from the traffic log and the date you entered.`

Some traffic logs use the date as a file name. If this name does not match the date stored inside the file, Merge warns you that the wrong day's traffic log may be present on this disk. Check with your traffic director to fix this.

➪ `PLAYLIST.SS is an invalid size: <x> bytes.`

Recreate the UDS II-compatible music schedule from Powergold 2000's Automation Files window.

➪ `This schedule has been previously merged.`

This indicates the music schedule has already been merged with a traffic log.

If you wish to merge this music log with a different traffic log, you must recreate the music schedule from Powergold 2000's Automation Files window, check the music log for errors, then merge with the new traffic log.

Utilities for the UDS II—Merge Spot & Music Log; Fixing Common Errors, continued

➪ `Unable to locate <filename>`
`Unable to access <filename>`
`<filename> is not present`

Where `<filename>` represents the name of the file needed by the Merge program. The file `<filename>` is either in use (by another user on your local-area network), cannot be found, or does not exist. Make sure the file name is entered correctly and that the Powergold 2000 program subdirectory is not in the path statement.

If you are using a network, make sure you have logged in properly and that the system administrator has set the file permissions and read rights so that you have sufficient privileges to access the traffic log file stored in the indicated subdirectory.

➪ `The dates from the music schedule and the traffic log don't match.`

Check to make sure you are merging music and traffic logs scheduled for the same date. Use the UDS II Check program to check the music log's schedule date.

📖 See the *Check UDS II Items* section starting on page 3-77 for more details.

➪ `Music schedule exceeds one 24-hour day.`

If you are merging spot and music logs, you *must* create only one 24-hour music schedule at a time from Powergold 2000.

➪ `The number of events <x> exceeds MAX_EVENTS set at 960.`

Where `<x>` is the number of events scheduled in the traffic log.

The Merge program was designed to handle an extraordinary number of commercials, the equivalent of 40 spots an hour. If you see this message, check your traffic log to make sure it is for just one day.

➪ `There are no spots in the merged log.`

When you check the merged log, use the View program to make sure all of the spots you expected to be merged into the log are indeed a part of the merged log. If not, try re-printing the music schedule and re-merging with a traffic log on another diskette.

If this does not fix the problem, make sure you have the correct automation interface from your traffic and billing software supplier and the correct traffic interface from On Air Digital.

Utilities for the UDS II, continued

U UDS II Schedule Editor

The UDS II Schedule Editor permits revisions to be made to the UDS II schedule prior to importing this schedule into UDS II. The UDS II Schedule Editor allows you to insert, delete, change, swap/juggle, edit, copy, paste or move any event in the completed schedule. This is the easiest way (outside of the UDS II itself) to make changes to a schedule incorporating both music and spots. The UDS II Schedule Editor (also referred to as the UDS II Editor) also allows you to insert new events that are not normally scheduled by either the music scheduler or traffic and billing system.

For example, the traffic program may schedule commercials with the same announcer's voice back-to-back. Use the UDS II Schedule Editor to swap one of the back-to-back voice spots with another spot in the same stop set, fixing the problem.

As another example, you may quickly add a late-arriving commercial order or a new promo to a previously merged schedule with the copy and paste commands or fill in short stop sets with PSAs or promos using a pick list command.

You must understand that there is *no music library lookup* provided in this editing environment. Changes you make using the Utilities for the UDS II Schedule Editor are not reported back to Powergold 2000 or to the traffic and billing software. These changes are not logged to report files as they would be in the F4 Editor on UDS II itself. In addition, you cannot select new songs for the schedule from those software music libraries.

The UDS II Schedule Editor's sole purpose is to make changes to an already existing schedule file. It is not designed to replace the editing environments provided in Powergold 2000 or the traffic and billing program.

Utilities for the UDS II—UDS II Schedule Editor, continued

Getting Started

1. From the Utilities menu, press U to select UDS II Schedule Editor.

2. The UDS II Editor displays a status screen as the events scheduled for that date load into memory. When loading is complete, the program displays the number of events in that day's schedule.

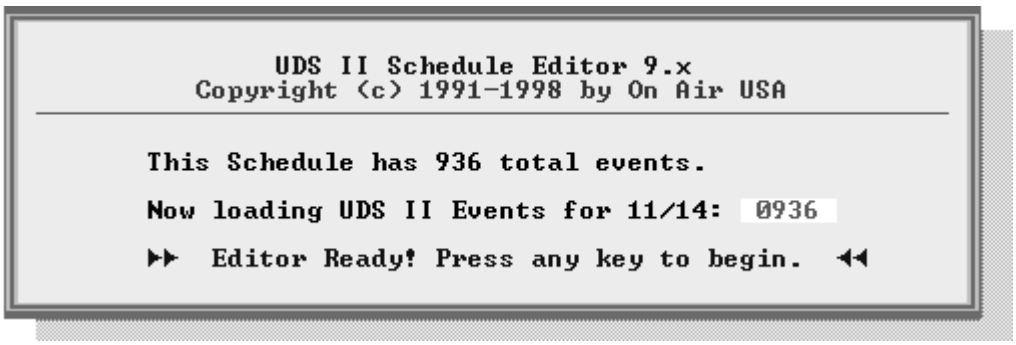
UDS II Schedule Editor 9.x
Copyright (c) 1991-1998 by On Air USA
This Schedule has 936 total events.
Now loading UDS II Events for 11/14: 0936
Editor Ready! Press any key to begin.

Figure 3-32 UDS II Schedule Editor Loading Status Screen

3. Press any key to begin, as indicated on the screen.

   The Schedule Editor opens, as shown below.

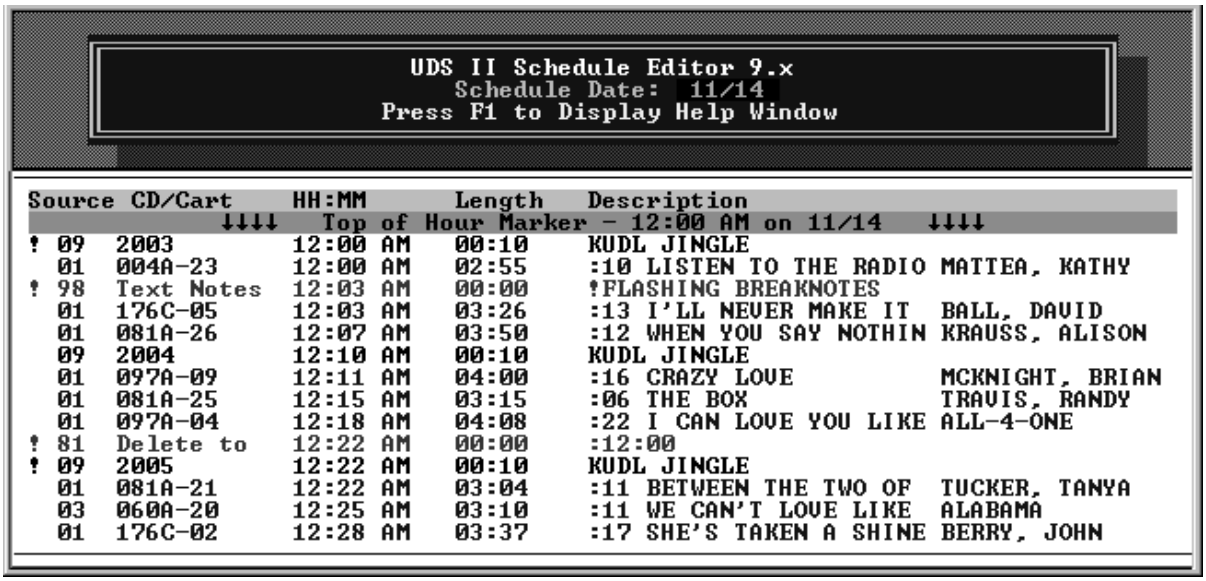
UDS II Schedule Editor 9.x
Schedule Date: 11/14
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
Top of Hour Marker - 12:00 AM on 11/14
! 09 2003 12:00 AM 00:10 KUDL JINGLE
01 004A-23 12:00 AM 02:55 :10 LISTEN TO THE RADIO MATTEA, KATHY
! 98 Text Notes 12:03 AM 00:00 !FLASHING BREAKNOTES
01 176C-05 12:03 AM 03:26 :13 I'LL NEVER MAKE IT BALL, DAVID
01 081A-26 12:07 AM 03:50 :12 WHEN YOU SAY NOTHIN KRAUSS, ALISON
09 2004 12:10 AM 00:10 KUDL JINGLE
01 097A-09 12:11 AM 04:00 :16 CRAZY LOVE MCKNIGHT, BRIAN
01 081A-25 12:15 AM 03:15 :06 THE BOX TRAVIS, RANDY
01 097A-04 12:18 AM 04:08 :22 I CAN LOVE YOU LIKE ALL-4-ONE
! 81 Delete to 12:22 AM 00:00 :12:00
! 09 2005 12:22 AM 00:10 KUDL JINGLE
01 081A-21 12:22 AM 03:04 :11 BETWEEN THE TWO OF TUCKER, TANYA
03 060A-20 12:25 AM 03:10 :11 WE CAN'T LOVE LIKE ALABAMA
01 176C-02 12:28 AM 03:37 :17 SHE'S TAKEN A SHINE BERRY, JOHN

Figure 3-33 UDS II Schedule Editor Window

Utilities for the UDS II—UDS II Schedule Editor, continued

Using the UDS II Editor

The upper portion of the UDS II Editor's screen conveys a variety of information as you edit. The program's title and version number are found here, along with the date of the UDS II schedule and a reminder that F1 is the help key. This area of the screen is also used for status messages.

When in editing mode, a green box appears to prompt you on what keys can be pressed. If a scheduling error is detected or you attempt to insert an item using source zero, a red warning window appears here.

The editing window displays up to 15 events from the current schedule.

Within the Editor, pressing F1 displays the first screen of a two-page pop-up help window. The first screen shows the keys used for basic movement within the Editor. Pressing F1 again displays the second screen, showing the editing command keys. Every press of F1 toggles between the Keyboard (Movement) commands and Editing commands screens. Press either ESC or X to exit the help window.

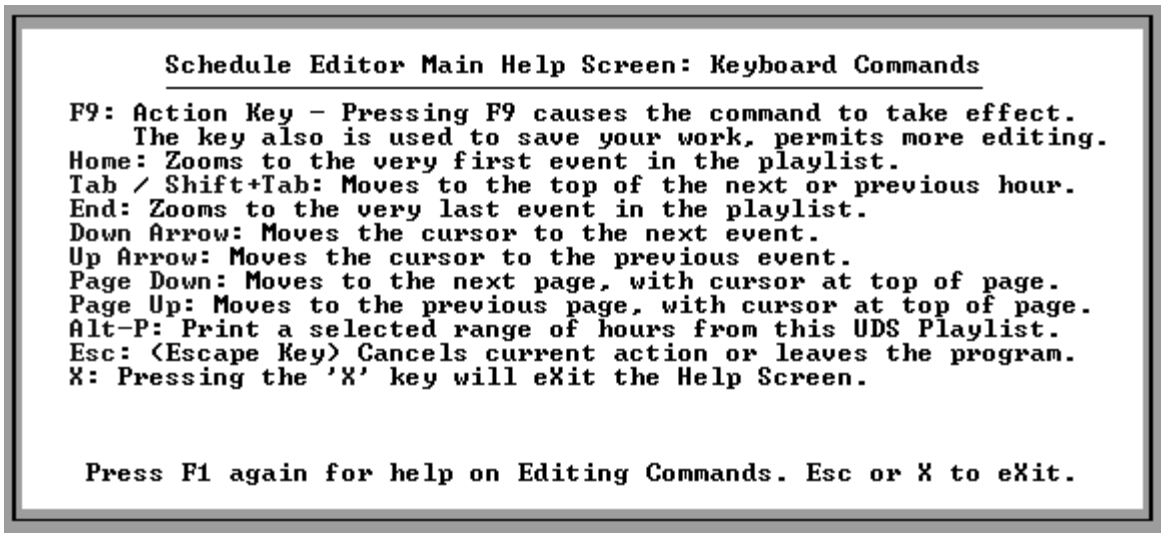
Schedule Editor Main Help Screen: Keyboard Commands
F9: Action Key - Pressing F9 causes the command to take effect.
The key also is used to save your work, permits more editing.
Home: Zooms to the very first event in the playlist.
Tab / Shift+Tab: Moves to the top of the next or previous hour.
End: Zooms to the very last event in the playlist.
Down Arrow: Moves the cursor to the next event.
Up Arrow: Moves the cursor to the previous event.
Page Down: Moves to the next page, with cursor at top of page.
Page Up: Moves to the previous page, with cursor at top of page.
Alt-P: Print a selected range of hours from this UDS Playlist.
Esc: (Escape Key) Cancels current action or leaves the program.
X: Pressing the 'X' key will eXit the Help Screen.
Press F1 again for help on Editing Commands. Esc or X to eXit.

Figure 3-34 Schedule Editor Main Help Screen: Keyboard Commands

Utilities for the UDS II—UDS II Schedule Editor, continued

Keyboard (Movement) Commands

↓: Moves the highlight bar down one event. If the highlight bar is at the bottom of the editing window, the screen scrolls upward so the highlight bar stays at the bottom of the screen. The event that was at the top of the window is scrolled up, off the screen.

↑: Moves the highlight bar up one event. If the highlight bar is at the top of the editing window, the screen scrolls downward so the highlight bar remains at the top of the screen. The event that was at the bottom of the window is scrolled down, off the screen.

PG DN: Moves to the next 15 events of the schedule, with the highlight bar positioned at the top of the new screen. Each screen in the editing window displays up to 15 events.

PG UP: Moves to the previous 15 events of the schedule, with the highlight bar positioned at the top of the new screen.

ESC: The escape key is context-sensitive.

- While an editing command is pending, ESC cancels the command.
- While a help screen is displayed, ESC returns to the main editing screen.
- From the main editing screen, ESC exits the program, offering you the opportunity to save or discard changes.

HOME: Zooms to the very first event in the schedule. The highlight bar is moved to the top of the editing window and placed over the first event in the schedule.

END: Zooms to the very last event in the schedule. The highlight bar is moved to the bottom of the editing window and is placed over the last event in the schedule.

↹ (Tab): Zoom to the top of the next hour

SHIFT ↹ (Shift+Tab): Zoom to the top of the previous hour

CTRL PG DN: Moves to the next scheduling error in the schedule.

CTRL PG UP: Moves to the previous scheduling error in the schedule.

> ***Note:*** If there is no error, the schedule will not move and a "no error" message will be displayed.

Utilities for the UDS II—UDS II Schedule Editor; Keyboard Commands, continued

F9: This key serves two purposes in the UDS II Editor:

- Action key —Pressing F9 either causes a command to take effect or confirms you want an action to take place.
- Save key — Pressing F9 saves the PLAYLIST.SS file in its currently edited form.

IMPORTANT! All editing occurs in memory, so if power is lost in the middle of an editing session, any changes made to the schedule since you last saved will be lost. This is an excellent reason to save often during the editing session. F9 acts as a "safety save" feature, ensuring that any changes made thus far will be written to disk.

F10: After pressing ESC to exit the UDS II Editor, pressing this key discards any changes made to the PLAYLIST.SS file since the last Save command.

Editing Commands

The second F1 Help Screen displays a list of the Editing commands. A detailed discussion of each command can be found on the pages that follow.

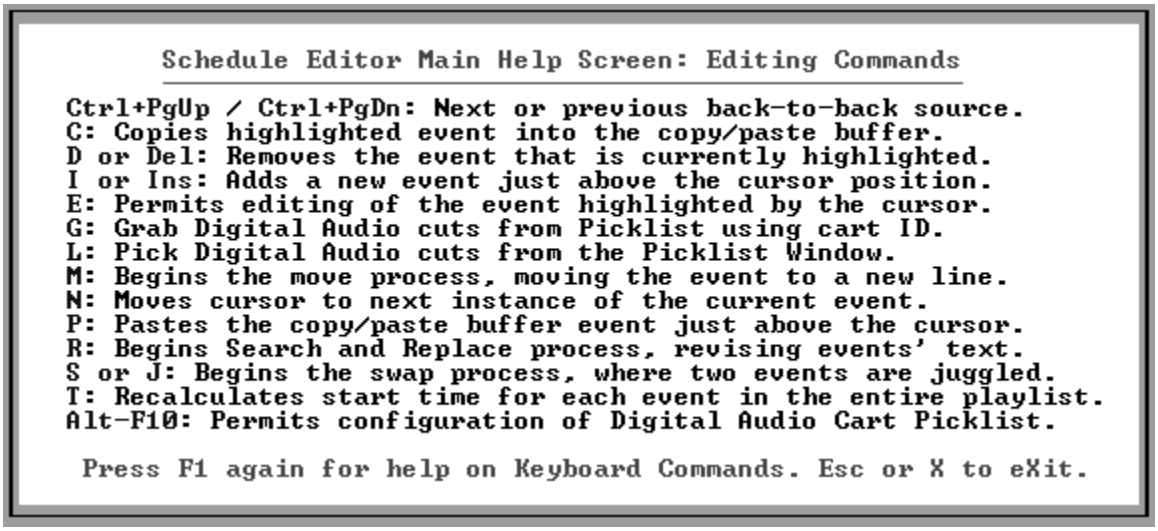
Schedule Editor Main Help Screen: Editing Commands
Ctrl+PgUp / Ctrl+PgDn: Next or previous back-to-back source.
C: Copies highlighted event into the copy/paste buffer.
D or Del: Removes the event that is currently highlighted.
I or Ins: Adds a new event just above the cursor position.
E: Permits editing of the event highlighted by the cursor.
G: Grab Digital Audio cuts from Picklist using cart ID.
L: Pick Digital Audio cuts from the Picklist Window.
M: Begins the move process, moving the event to a new line.
N: Moves cursor to next instance of the current event.
P: Pastes the copy/paste buffer event just above the cursor.
R: Begins Search and Replace process, revising events' text.
S or J: Begins the swap process, where two events are juggled.
T: Recalculates start time for each event in the entire playlist.
Alt-F10: Permits configuration of Digital Audio Cart Picklist.
Press F1 again for help on Keyboard Commands. Esc or X to eXit.

Figure 3-35 Schedule Editor Main Help Screen: Editing Commands

Utilities for the UDS II—UDS II Schedule Editor, continued

Event Entry Fields

When editing, inserting or pasting events into the schedule, you may revise or enter information in six of the seven event entry fields. These fields discussed below in the order in which they are displayed, from left to right:

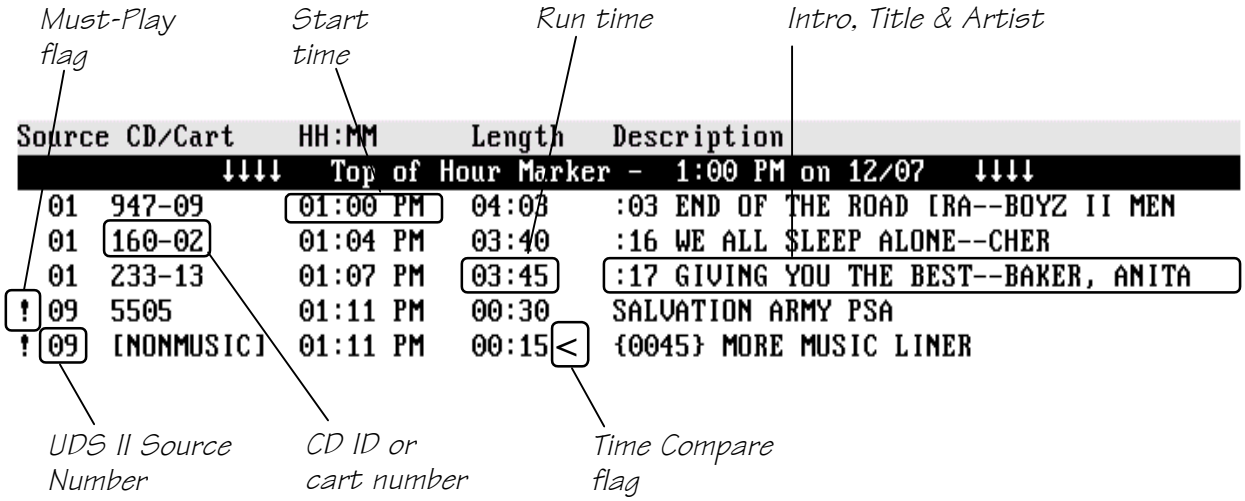
Must-Play flag
Start time
Run time
Intro, Title & Artist
Source CD/Cart HH:MM Length Description
↓↓↓↓ Top of Hour Marker - 1:00 PM on 12/07 ↓↓↓↓
01 947-09 01:00 PM 04:03 :03 END OF THE ROAD [RA--BOYZ II MEN
01 160-02 01:04 PM 03:40 :16 WE ALL $LEEP ALONE--CHER
01 233-13 01:07 PM 03:45 :17 GIVING YOU THE BEST--BAKER, ANITA
! 09 5505 01:11 PM 00:30 SALVATION ARMY PSA
! 09 [NONMUSIC] 01:11 PM 00:15 < {0045} MORE MUSIC LINER
UDS II Source Number
CD ID or cart number
Time Compare flag

Figure 3-36 Event Entry Fields

1. **Must-Play flag—**You may instruct the UDS II that the event is "mandatory" and *must* play and cannot be dropped even if a Time Update 81 (non-destructive) command is pending. To flag the event as must-play, type an exclamation point (!) in this column.

   All events, "mandatory" or not, will de dropped by the Time Update 82, 83, or 90 commands. This must-play flag affects *only* the Time Update 81 command.

   Unless special breaknote codes are used, digital audio events scheduled via breaknotes (including events merged from your traffic log) are *automatically* defined as must-play by the UDS II Merge utility. Events added in the UDS II Editor are *not* automatically defined as must-play. It is your responsibility to make sure these events are defined as must-play.

2. **Source**—The UDS II source number must appear here. Any source from 01 through 79 will be accepted. Sources 80 through 98 are reserved for special UDS II functions and features. CD player source numbers begin with source 01 and run consecutively for each player attached to the UDS II.

***Note*:** Source 09 is usually used for the digital audio playback device and source 10 is usually the 'live' source. Check your UDS II equipment file for the correct sources.

Utilities for the UDS II—UDS II Schedule Editor; Event Entry Fields, continued

3. **CD/Cart**—Up to 10 characters may be entered here. The characters are used by UDS II to specify a disc and track number, separated by a dash, or the characters corresponding to a digital audio event. You are responsible for ensuring the accuracy of this entry.

   - CD/Cart entries for *songs on compact dis*c may be any length, up to ten characters, but the CD Identifier *must* exactly match the way that song is entered in the UDS II music library. There is generally no need to zero-pad the *disc* identifier, but the *track* number must be padded with a zero to be two digits.

     Typical CD/Cart entries for songs on compact disc include:

     ```
     9310-04   423-01    REBA-19   027A-20   AC-14     1-01
     ```

   - CD/Cart entries for *songs on UDS-HD music on hard-drive* must be exactly four characters long followed by a "track" number of 00.

     Typical CD/Cart entries for songs on UDS-HD music on hard-drive include:

     ```
     9310-00   0423-00   REBA-00   027A-00   AC14-00   0101-00
     ```

   - CD/Cart entries for *non-music digital audio events* must be exactly four characters long. Non-music digital audio events should not have a "track" number suffix.

     Typical CD/Cart entries for non-music digital audio events include:

     ```
     9301      0423      REBA      027A      AC14      0101
     ```

4. **HH:MM** (scheduled start time)—When you paste, swap, insert, or edit an event, the time of the preceding event is copied to the pasted, swapped, inserted, or edited event..

   > ***Note*:** You *cannot* directly edit the scheduled start time. Use the Time Recalculate command described on page 3-136 to automatically recalculate scheduled start times

5. **Length** (approximate run time)—Set the duration of the event here, in minutes and seconds.

   The Editor uses this length to re-calculate scheduled start times when the Time Recalculate feature is used or the schedule is saved to disk.

   > ***Note:*** Setting a time here will *not* make the system segue by itself at the end of the elapsed run time, even in AutoSegue mode. If this is the behavior you desire, you must also set the time-compare flag (<) described on the next page.

Utilities for the UDS II—UDS II Schedule Editor; Event Entry Fields, continued

6. **Time-Compare flag**—This single character column is located immediately to the right of the Length field. The only character that can be placed in this column is the less-than symbol (<). The '< ' instructs the UDS II to segue after the amount of time specified in the Length field. This overrides any index information stored on the CD. However, the time-compare flag *does not* override the auxiliary mark or contact-closure from a non-music event. Do *not* use this flag with digital audio events.

7. **Description**—This field normally contains the name of the event for non-music digital audio events, scheduled times for time update commands, ranges for spot catchers, or the intro, title, and artist for songs. For other non-music events, you can place any text you wish (or none at all) in this column.

   - ➪ For songs, UDS II displays the title and artist stored in the UDS II music library both in the schedule and on the UDS II display.
   - ➪ For non-music digital audio events, this text will appear in the UDS II schedule by the event until the event moves to the Ready to Air window on the UDS II main screen. At that time, non-music digital audio events display the name of the cart as stored on the digital audio playback device.
   - ➪ For system commands, time updates, and spot catchers, the initial codes of this text will be used to set the start times for the commands and the text description will appear on the main screen of the UDS II.
   - ➪ For events other than digital audio and songs on compact disc, this text will appear with the event in the UDS II schedule and on the UDS II display when the event airs.

Utilities for the UDS II—UDS II Schedule Editor, continued

[C]—Copy

The Copy feature of the UDS II Schedule Editor copies the highlighted event to a special *buffer,* or storage area, so you may insert one or more duplicates of the event elsewhere in the schedule. This allows you to quickly fill in short commercial breaks or add a new event to the schedule many times with a minimum of effort.

1. Use the [↑] and [↓] keys to move the highlight bar to the event you wish to copy to the Copy/Paste buffer.

   For example, if you want to copy the morning show promo announcing a live on-air appearance by Billy Joel, use the [↑] and [↓] keys to find that event in the schedule.

2. Press [C] to copy the highlighted event to the Copy/Paste buffer.

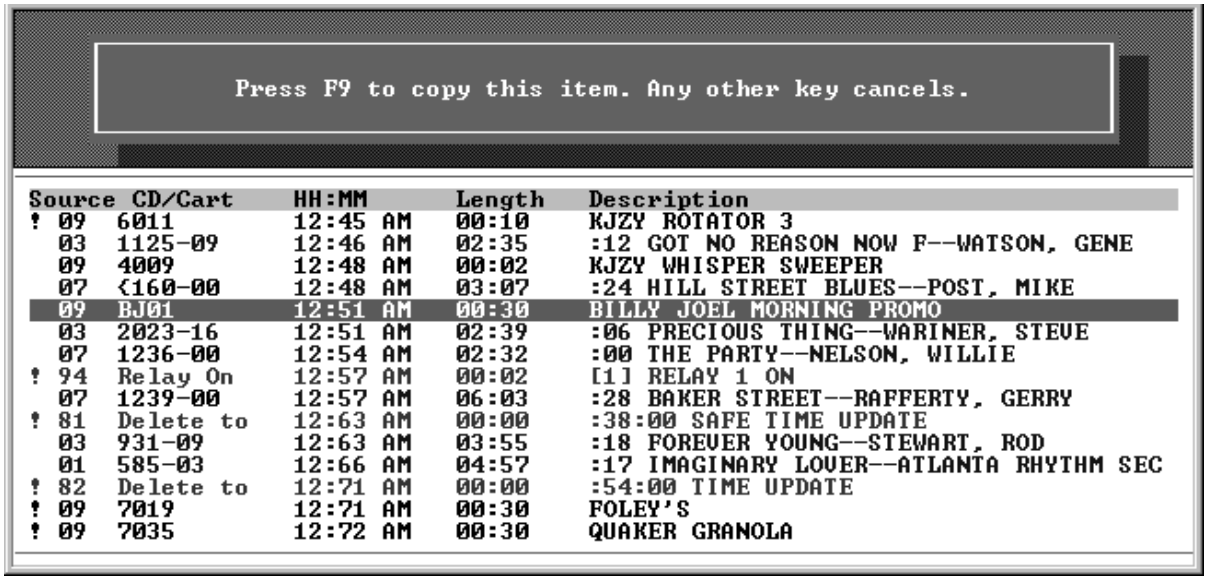
Press F9 to copy this item. Any other key cancels.
Source CD/Cart HH:MM Length Description
! 09 6011 12:45 AM 00:10 KJZY ROTATOR 3
03 1125-09 12:46 AM 02:35 :12 GOT NO REASON NOW F--WATSON, GENE
09 4009 12:48 AM 00:02 KJZY WHISPER SWEEPER
07 <160-00 12:48 AM 03:07 :24 HILL STREET BLUES--POST, MIKE
09 BJ01 12:51 AM 00:30 BILLY JOEL MORNING PROMO
03 2023-16 12:51 AM 02:39 :06 PRECIOUS THING--WARINER, STEVE
07 1236-00 12:54 AM 02:32 :00 THE PARTY--NELSON, WILLIE
! 94 Relay On 12:57 AM 00:02 [1] RELAY 1 ON
07 1239-00 12:57 AM 06:03 :28 BAKER STREET--RAFFERTY, GERRY
! 81 Delete to 12:63 AM 00:00 :38:00 SAFE TIME UPDATE
03 931-09 12:63 AM 03:55 :18 FOREVER YOUNG--STEWART, ROD
01 585-03 12:66 AM 04:57 :17 IMAGINARY LOVER--ATLANTA RHYTHM SEC
! 82 Delete to 12:71 AM 00:00 :54:00 TIME UPDATE
! 09 7019 12:71 AM 00:30 FOLEY'S
! 09 7035 12:72 AM 00:30 QUAKER GRANOLA

Figure 3-37 UDS II Schedule Editor Copy Example

3. The UDS II Editor displays a green window at the top of the editing screen with the following message:

   ```
   Press F9 to copy this item. Any other key cancels.
   ```

4. Press the [F9] key to confirm the Copy command. Pressing any other key cancels the Copy command.

The highlighted event has now been copied to the Copy/Paste buffer. This copied event may be inserted into the schedule using the Paste command, which is explained on the next page.

Utilities for the UDS II—UDS II Schedule Editor, continued

P—Paste

The Paste feature of the UDS II Schedule Editor pastes the event stored in the Copy/Paste buffer (the event you copied using the Copy command, as described on the previous page) into the schedule. The pasted event is inserted just before the currently highlighted item. This allows you to quickly fill in short commercial breaks or add a new event to the schedule many times with a minimum of effort.

IMPORTANT! You must copy an event to a special storage area in the computer's memory, the Copy/Paste buffer, using the Copy command before the Paste command will function.

1. Use the ↑ and ↓ keys to move the highlight bar to the location where you wish to paste the new event.

   For example, if you wish to insert the morning show promo announcing an appearance by Billy Joel (the one you copied in the Copy feature examples) just before the 11:33 p.m. "Bank One" spot, use the ↑ and ↓ keys to highlight that event in the schedule.

2. Press P to paste the event stored in the Copy/Paste buffer into the schedule, just before the highlighted event.

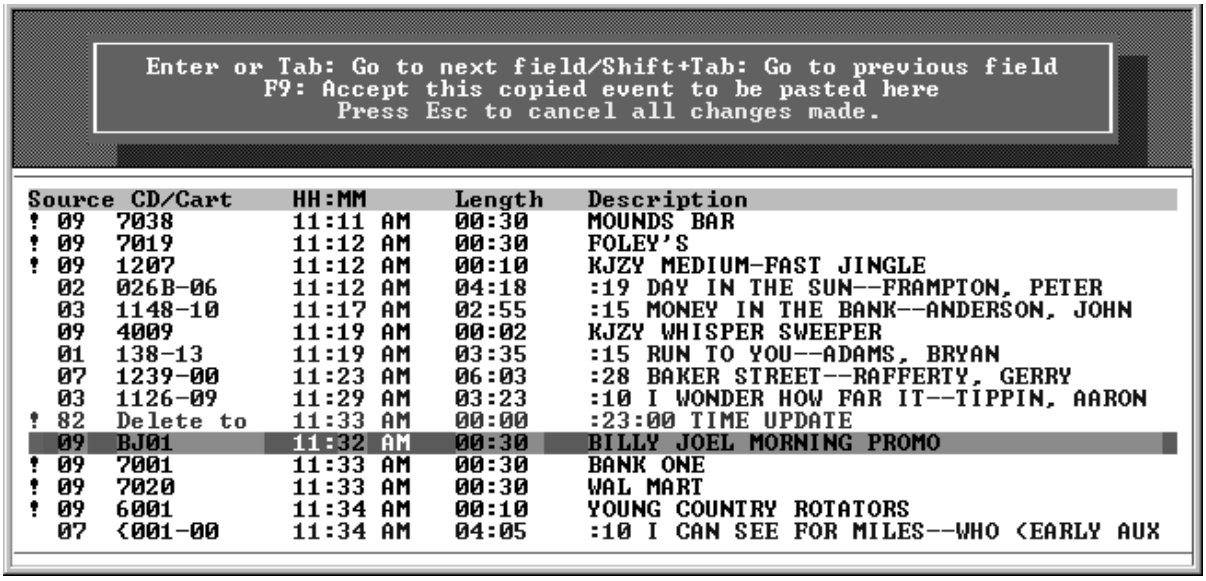
Enter or Tab: Go to next field/Shift+Tab: Go to previous field
F9: Accept this copied event to be pasted here
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
! 09 7038 11:11 AM 00:30 MOUNDS BAR
! 09 7019 11:12 AM 00:30 FOLEY'S
! 09 1207 11:12 AM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-06 11:12 AM 04:18 :19 DAY IN THE SUN--FRAMPTON, PETER
03 1148-10 11:17 AM 02:55 :15 MONEY IN THE BANK--ANDERSON, JOHN
09 4009 11:19 AM 00:02 KJZY WHISPER SWEEPER
01 138-13 11:19 AM 03:35 :15 RUN TO YOU--ADAMS, BRYAN
07 1239-00 11:23 AM 06:03 :28 BAKER STREET--RAFFERTY, GERRY
03 1126-09 11:29 AM 03:23 :10 I WONDER HOW FAR IT--TIPPIN, AARON
! 82 Delete to 11:33 AM 00:00 :23:00 TIME UPDATE
09 BJ01 11:32 AM 00:30 BILLY JOEL MORNING PROMO
! 09 7001 11:33 AM 00:30 BANK ONE
! 09 7020 11:33 AM 00:30 WAL MART
! 09 6001 11:34 AM 00:10 YOUNG COUNTRY ROTATORS
07 <001-00 11:34 AM 04:05 :10 I CAN SEE FOR MILES--WHO <EARLY AUX

Figure 3-38 UDS II Schedule Editor Paste Example

3. Press F9 to accept the pasted event. The pasted event is given a new start time based on its location in the schedule.

   Press ESC to cancel should you decide not to paste this item in this location.

Utilities for the UDS II—UDS II Schedule Editor, continued

D or DEL —Delete

The Delete feature of the UDS II Schedule Editor removes the highlighted event from the schedule. This command allows you to rapidly remove unnecessary promos or canceled spots from a merged schedule or to remove excess events from a heavily over-scheduled hour.

> ***Note*:** The DEL key is often labeled "Delete" on one key and "Del" on another on the same keyboard. Both are "delete" keys. On some keyboards, the DEL key may not function if "Num Lock" is enabled and you are using the numeric keypad.

1. Use the ↑ and ↓ keys to move the highlight bar to the event you wish to delete.

   For example, if you wish to delete the promo for the morning zoo's daily top-five list, use the ↑ and ↓ keys to find that event in the schedule.

2. Press D or DEL to delete the highlighted event from the schedule.

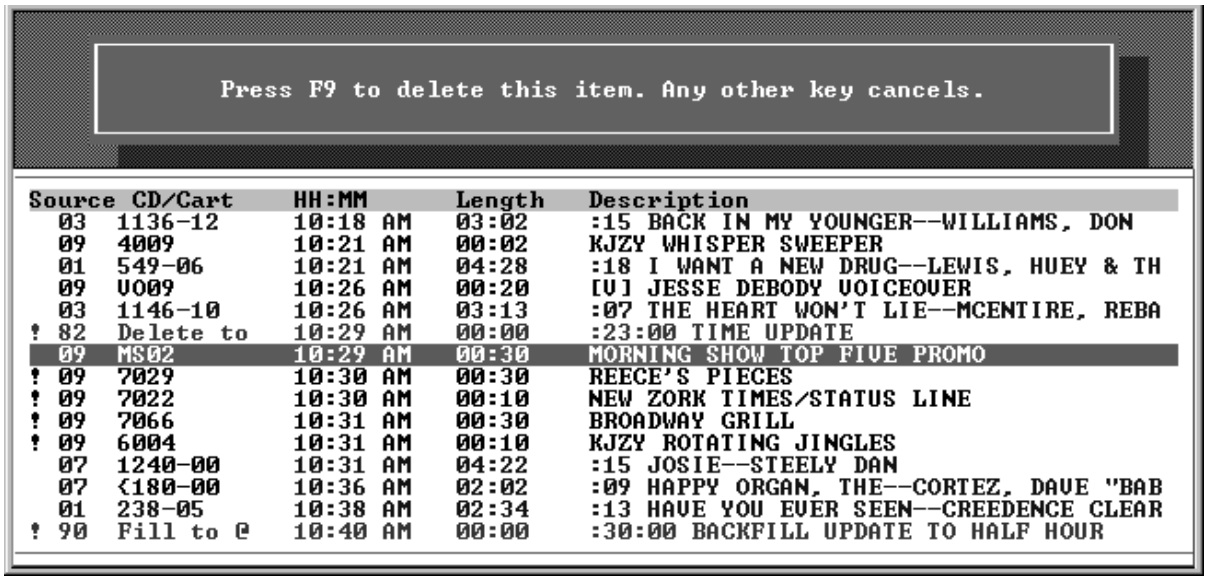
Press F9 to delete this item. Any other key cancels.
Source CD/Cart HH:MM Length Description
03 1136-12 10:18 AM 03:02 :15 BACK IN MY YOUNGER--WILLIAMS, DON
09 4009 10:21 AM 00:02 KJZY WHISPER SWEEPER
01 549-06 10:21 AM 04:28 :18 I WANT A NEW DRUG--LEWIS, HUEY & TH
09 V009 10:26 AM 00:20 [V] JESSE DEBODY VOICEOVER
03 1146-10 10:26 AM 03:13 :07 THE HEART WON'T LIE--MCENTIRE, REBA
! 82 Delete to 10:29 AM 00:00 :23:00 TIME UPDATE
09 MS02 10:29 AM 00:30 MORNING SHOW TOP FIVE PROMO
! 09 7029 10:30 AM 00:30 REECE'S PIECES
! 09 7022 10:30 AM 00:10 NEW ZORK TIMES/STATUS LINE
! 09 7066 10:31 AM 00:30 BROADWAY GRILL
! 09 6004 10:31 AM 00:10 KJZY ROTATING JINGLES
07 1240-00 10:31 AM 04:22 :15 JOSIE--STEELY DAN
07 <180-00 10:36 AM 02:02 :09 HAPPY ORGAN, THE--CORTEZ, DAVE "BAB
01 238-05 10:38 AM 02:34 :13 HAVE YOU EVER SEEN--CREEDENCE CLEAR
! 90 Fill to @ 10:40 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR

Figure 3-39 UDS II Schedule Editor Delete Example

3. The UDS II Editor displays a green window at the top of the screen with this message:

   `Press F9 to delete this item. Any other key cancels.`

4. Press the F9 key to confirm the Delete command. Pressing any other key cancels.

The highlighted event has now been removed from the schedule.

🕮 You may configure the Utilities so that you need not press F9 to confirm the deletion. See *Configuring the Utilities for the UDS II* on page 3-47 for more details.

Utilities for the UDS II—UDS II Schedule Editor, continued

I or INS —Insert

The Insert feature of the UDS II Schedule Editor allows you to add events at any point in the schedule to help fill out an under-scheduled hour or short commercial break.

Each newly inserted event is an "empty event," requiring that you type all of the relevant information about the event into the entry fields.

Important: You are responsible for the accuracy of the data. Since the UDS II Editor cannot check with your traffic or music storage systems, it cannot confirm that a requested digital audio cart is available or that the requested song is on the disc and track you enter.

📖 For more information on the event entry fields, see the *Event Entry Fields* section on page 3-106 of this chapter.

To insert an event, follow the steps below:

1. Use the ↑ and ↓ keys to move the highlight bar to the location where you wish to insert a new event.

   For example, if you wish to insert a promo for your morning show at the start of the 9:23 p.m. stop set, use the ↑ and ↓ keys to position the highlight bar on the first event in the stop set after the time update command.

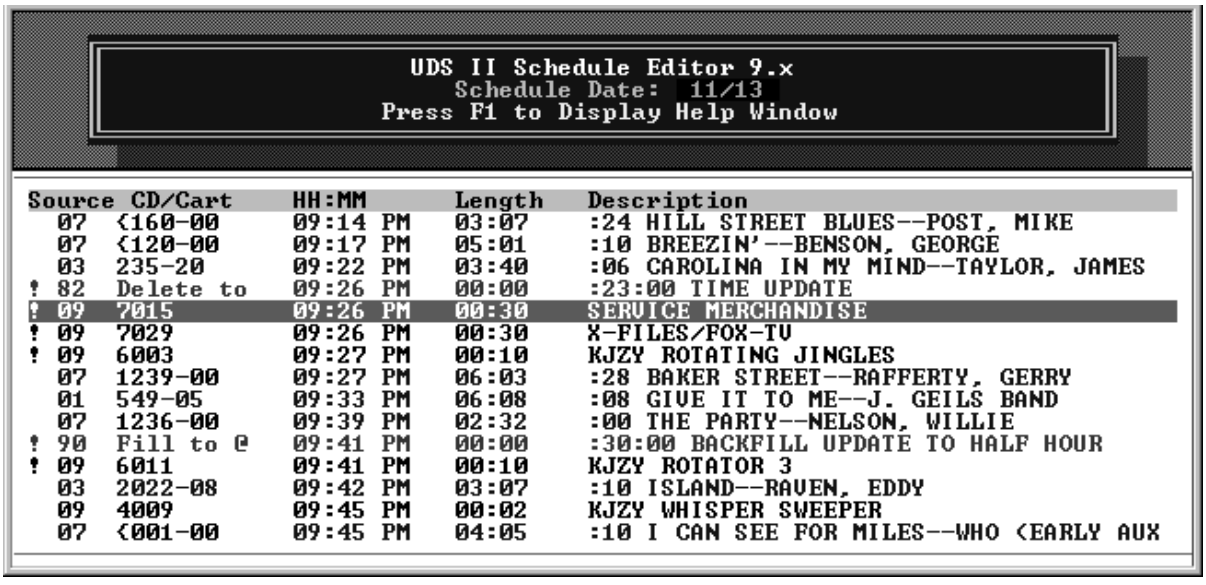
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
07 <160-00 09:14 PM 03:07 :24 HILL STREET BLUES--POST, MIKE
07 <120-00 09:17 PM 05:01 :10 BREEZIN'--BENSON, GEORGE
03 235-20 09:22 PM 03:40 :06 CAROLINA IN MY MIND--TAYLOR, JAMES
! 82 Delete to 09:26 PM 00:00 :23:00 TIME UPDATE
! 09 7015 09:26 PM 00:30 SERVICE MERCHANDISE
! 09 7029 09:26 PM 00:30 X-FILES/FOX-TV
! 09 6003 09:27 PM 00:10 KJZY ROTATING JINGLES
07 1239-00 09:27 PM 06:03 :28 BAKER STREET--RAFFERTY, GERRY
01 549-05 09:33 PM 06:08 :08 GIVE IT TO ME--J. GEILS BAND
07 1236-00 09:39 PM 02:32 :00 THE PARTY--NELSON, WILLIE
! 90 Fill to @ 09:41 PM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
! 09 6011 09:41 PM 00:10 KJZY ROTATOR 3
03 2022-08 09:42 PM 03:07 :10 ISLAND--RAVEN, EDDY
09 4009 09:45 PM 00:02 KJZY WHISPER SWEEPER
07 <001-00 09:45 PM 04:05 :10 I CAN SEE FOR MILES--WHO <EARLY AUX

Figure 3-40 UDS II Schedule Editor Insert Example— Pre-Insertion

Utilities for the UDS II—UDS II Schedule Editor; Insert, continued

2. Press I or INS to insert a new event. A blank line appears in the schedule just before the previously highlighted event.

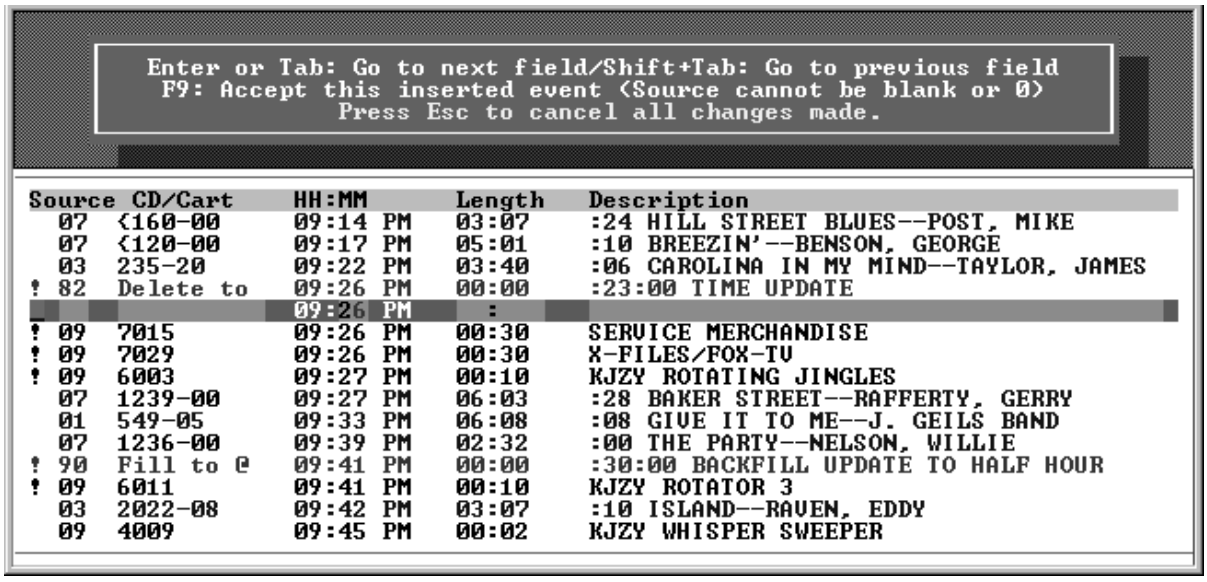
Enter or Tab: Go to next field/Shift+Tab: Go to previous field
F9: Accept this inserted event (Source cannot be blank or 0)
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
07 <160-00 09:14 PM 03:07 :24 HILL STREET BLUES--POST, MIKE
07 <120-00 09:17 PM 05:01 :10 BREEZIN'--BENSON, GEORGE
03 235-20 09:22 PM 03:40 :06 CAROLINA IN MY MIND--TAYLOR, JAMES
! 82 Delete to 09:26 PM 00:00 :23:00 TIME UPDATE
09:26 PM :
! 09 7015 09:26 PM 00:30 SERVICE MERCHANDISE
! 09 7029 09:26 PM 00:30 X-FILES/FOX-TV
! 09 6003 09:27 PM 00:10 KJZY ROTATING JINGLES
07 1239-00 09:27 PM 06:03 :28 BAKER STREET--RAFFERTY, GERRY
01 549-05 09:33 PM 06:08 :08 GIVE IT TO ME--J. GEILS BAND
07 1236-00 09:39 PM 02:32 :00 THE PARTY--NELSON, WILLIE
! 90 Fill to @ 09:41 PM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
! 09 6011 09:41 PM 00:10 KJZY ROTATOR 3
03 2022-08 09:42 PM 03:07 :10 ISLAND--RAVEN, EDDY
09 4009 09:45 PM 00:02 KJZY WHISPER SWEEPER

Figure 3-41 UDS II Schedule Editor Insert Example— Mid-Insertion

3. Type the information for the new event in the entry fields.

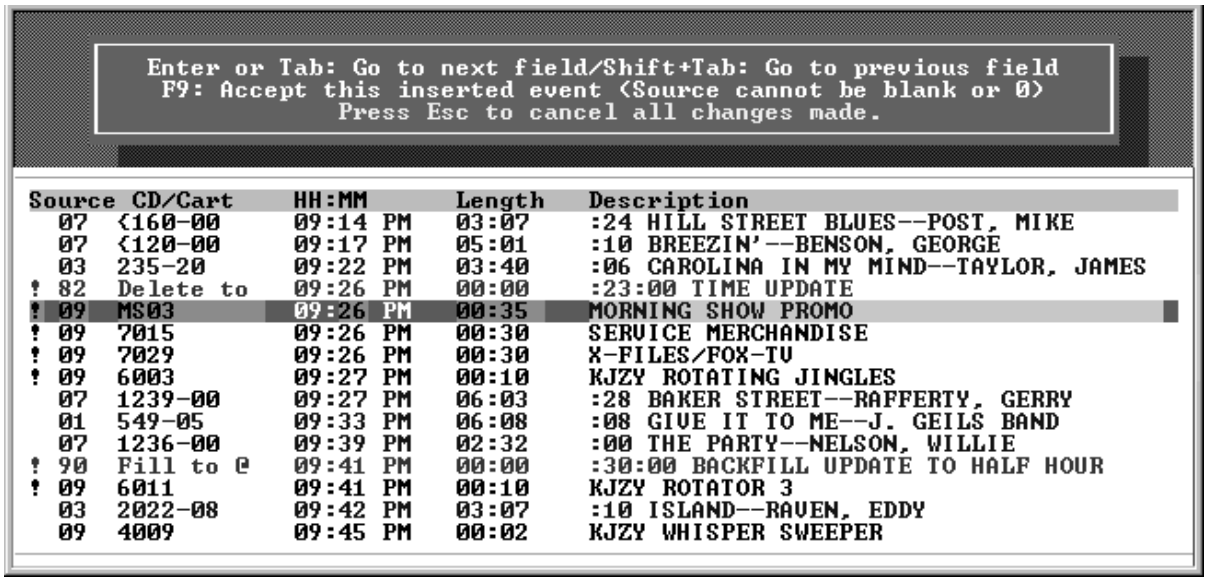
Enter or Tab: Go to next field/Shift+Tab: Go to previous field
F9: Accept this inserted event (Source cannot be blank or 0)
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
07 <160-00 09:14 PM 03:07 :24 HILL STREET BLUES--POST, MIKE
07 <120-00 09:17 PM 05:01 :10 BREEZIN'--BENSON, GEORGE
03 235-20 09:22 PM 03:40 :06 CAROLINA IN MY MIND--TAYLOR, JAMES
! 82 Delete to 09:26 PM 00:00 :23:00 TIME UPDATE
! 09 MS03 09:26 PM 00:35 MORNING SHOW PROMO
! 09 7015 09:26 PM 00:30 SERVICE MERCHANDISE
! 09 7029 09:26 PM 00:30 X-FILES/FOX-TV
! 09 6003 09:27 PM 00:10 KJZY ROTATING JINGLES
07 1239-00 09:27 PM 06:03 :28 BAKER STREET--RAFFERTY, GERRY
01 549-05 09:33 PM 06:08 :08 GIVE IT TO ME--J. GEILS BAND
07 1236-00 09:39 PM 02:32 :00 THE PARTY--NELSON, WILLIE
! 90 Fill to @ 09:41 PM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
! 09 6011 09:41 PM 00:10 KJZY ROTATOR 3
03 2022-08 09:42 PM 03:07 :10 ISLAND--RAVEN, EDDY
09 4009 09:45 PM 00:02 KJZY WHISPER SWEEPER

Figure 3-42 UDS II Schedule Editor Insert Example— Event Information Entry

Utilities for the UDS II—UDS II Schedule Editor; Insert, continued

In this example, type the following information in the entry fields:

- In the Must-Play flag field, type 1 to let UDS II know that this event may not be dropped by the Time Update 81 feature.
- In the Source field, type 0 9 to let UDS II know that this event is played from source 09, usually configured as the primary non-music digital audio hard-drive source.
- In the CD/Cart number field, type M S 0 3 ENTER to let UDS II know that this event is digital audio cart number MS03.
- In the Start Time column, press ENTER to skip this field. The start time is calculated from the new event's place in the schedule.
- In the Length field, type 0 0 3 5 to let the UDS II Editor know that the event is about thirty-five seconds (00:35) long.
- In the Time-Compare field, press ENTER to skip this field. The exact run time is read from the cart.
- In the Description field, type

  M O R N I N G SPACE S H O W SPACE P R O M O

  to describe the new event in the UDS II Editor and on the UDS II itself.

📖 For details on the entry fields available when editing, see *Event Entry Fields* on page 3-106.

4. Press F9 to accept the inserted event.

Pressing ESC cancels the insertion and keeps the schedule in its original state.

The new event has now been inserted into the schedule.

Utilities for the UDS II—UDS II Schedule Editor, continued

[E]—Edit

The Edit feature of the UDS II Schedule Editor allows you to update any of the highlighted event's entry fields. You may change an event's source number, cart number, description or approximate run time. You may also flag an event as time-compare or must-play.

> ***Note*:** The Edit command changes only this instance of the event in the schedule. To change multiple instances of an event, use the Revise command described on page 3-129.

To use the Edit feature, follow the steps outlined below:

1. Use the [↑] and [↓] keys to move the highlight bar to the event you wish to edit.

   For example, if you wish to change the approximate run time of the news at 8:00 a.m. from two minutes to ninety seconds, use the [↑] and [↓] keys to highlight that event.

2. Press [E] to edit the highlighted event.

3. Type the new information for the event in the entry fields.

   In this example, press [⇆] (Tab) four times to move the cursor to the Length field. Type [0] [1] [3] [0] to change the time from two minutes to one minute and thirty seconds.

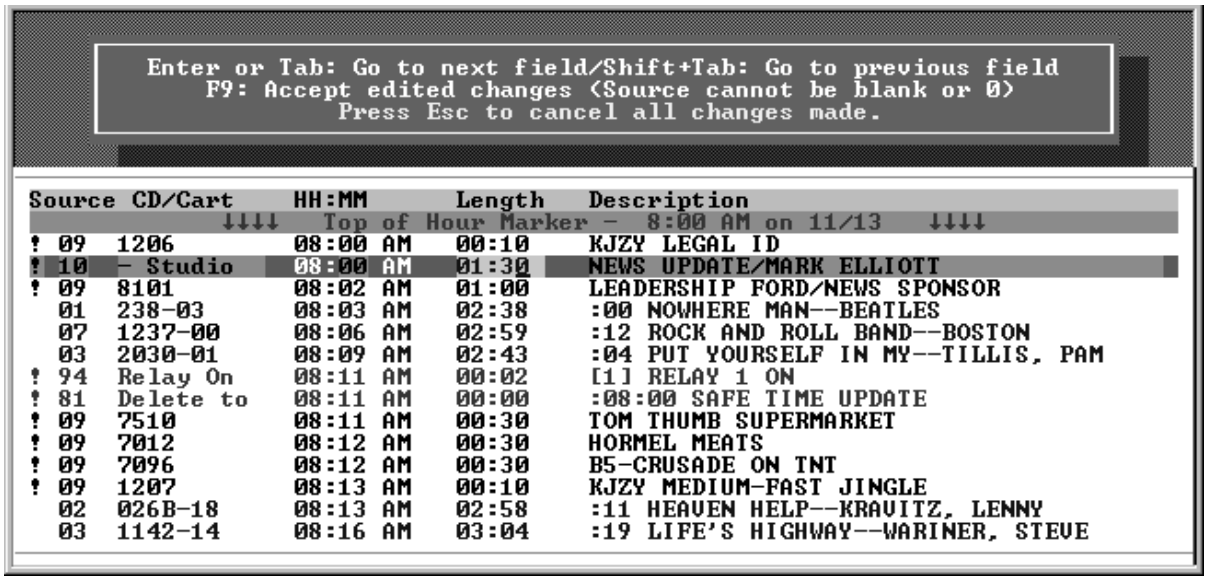
Enter or Tab: Go to next field/Shift+Tab: Go to previous field
F9: Accept edited changes (Source cannot be blank or 0)
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
↓↓↓↓ Top of Hour Marker - 8:00 AM on 11/13 ↓↓↓↓
! 09 1206 08:00 AM 00:10 KJZY LEGAL ID
! 10 - Studio 08:00 AM 01:30 NEWS UPDATE/MARK ELLIOTT
! 09 8101 08:02 AM 01:00 LEADERSHIP FORD/NEWS SPONSOR
01 238-03 08:03 AM 02:38 :00 NOWHERE MAN--BEATLES
07 1237-00 08:06 AM 02:59 :12 ROCK AND ROLL BAND--BOSTON
03 2030-01 08:09 AM 02:43 :04 PUT YOURSELF IN MY--TILLIS, PAM
! 94 Relay On 08:11 AM 00:02 [1] RELAY 1 ON
! 81 Delete to 08:11 AM 00:00 :08:00 SAFE TIME UPDATE
! 09 7510 08:11 AM 00:30 TOM THUMB SUPERMARKET
! 09 7012 08:12 AM 00:30 HORMEL MEATS
! 09 7096 08:12 AM 00:30 B5-CRUSADE ON TNT
! 09 1207 08:13 AM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-18 08:13 AM 02:58 :11 HEAVEN HELP--KRAVITZ, LENNY
03 1142-14 08:16 AM 03:04 :19 LIFE'S HIGHWAY--WARINER, STEVE

Figure 3-43 UDS II Schedule Editor Edit Example

4. Pressing [F9] saves any changes to the event. Pressing [ESC] aborts the change and returns the event to its original state.

📖 For details on all the fields you may edit, see *Event Entry Fields* starting on page 3-106.

Utilities for the UDS II—UDS II Schedule Editor, continued

G—Grab

The Grab feature of the UDS II Schedule Editor "grabs" a digital audio event from a pre-defined list of carts. This command allows you to choose frequently-used "fill" carts without the need to retype the information for each event. These carts may be grabbed by cart number or directly from the pick list. Grab inserts this new event immediately before the highlighted event.

IMPORTANT! You must first configure this pick list using the ALT F10 command described starting on page 3-138. The Grab feature will not work until this pick list has been created.

➪ To grab an event on the pick list *whose cart number you know*, follow these steps:

***Note*:** If no item in the pick list matches the cart number you enter, the UDS II Editor displays a warning message and takes no action.

1. Use the ↑ and ↓ keys to move the highlight bar to the location for the new event.

   For example, you want to insert a Red Cross PSA (which you know from frequent usage is on cart number 9801) as the last event in the 9:23 a.m. stop set, just before the KJZY Rotating Jingle.

   To grab this event, use the ↑ and ↓ keys to highlight the KJZY Rotating Jingle.

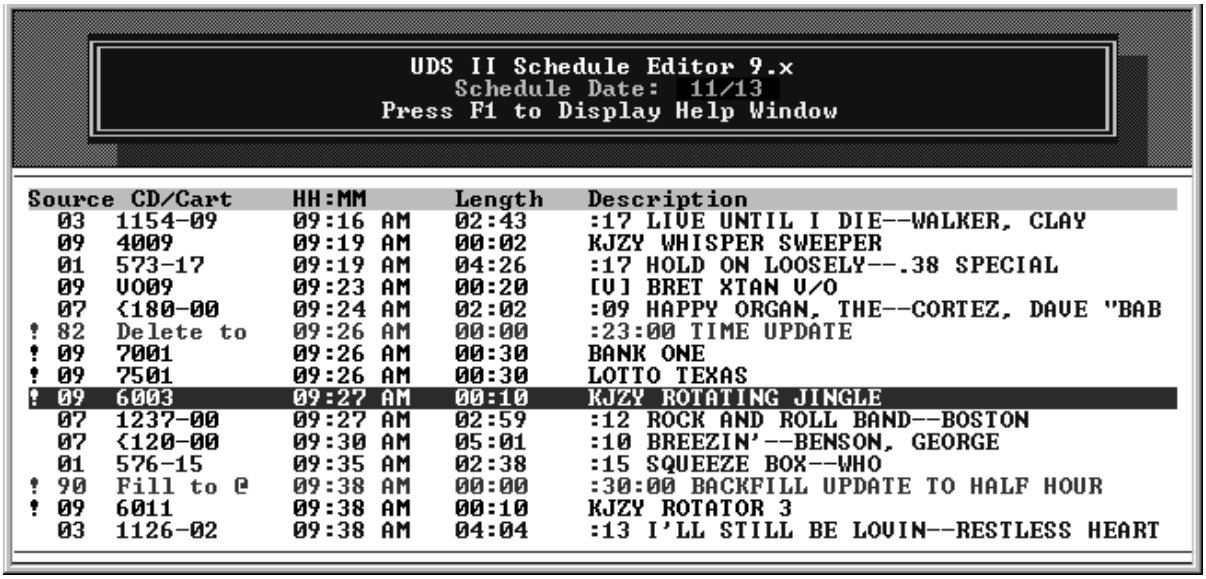
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
03 1154-09 09:16 AM 02:43 :17 LIVE UNTIL I DIE--WALKER, CLAY
09 4009 09:19 AM 00:02 KJZY WHISPER SWEEPER
01 573-17 09:19 AM 04:26 :17 HOLD ON LOOSELY--.38 SPECIAL
09 V009 09:23 AM 00:20 [V] BRET XTAN V/O
07 <180-00 09:24 AM 02:02 :09 HAPPY ORGAN, THE--CORTEZ, DAVE "BAB
! 82 Delete to 09:26 AM 00:00 :23:00 TIME UPDATE
! 09 7001 09:26 AM 00:30 BANK ONE
! 09 7501 09:26 AM 00:30 LOTTO TEXAS
! 09 6003 09:27 AM 00:10 KJZY ROTATING JINGLE
07 1237-00 09:27 AM 02:59 :12 ROCK AND ROLL BAND--BOSTON
07 <120-00 09:30 AM 05:01 :10 BREEZIN'--BENSON, GEORGE
01 576-15 09:35 AM 02:38 :15 SQUEEZE BOX--WHO
! 90 Fill to @ 09:38 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
! 09 6011 09:38 AM 00:10 KJZY ROTATOR 3
03 1126-02 09:38 AM 04:04 :13 I'LL STILL BE LOVIN--RESTLESS HEART

Figure 3-44 UDS II Schedule Editor Grab Example— Pre-Grab

Utilities for the UDS II—UDS II Schedule Editor; Grab, continued

2. Press G to begin the Grab process. A new empty event appears just before the highlighted event, moving the rest of the schedule down one event.

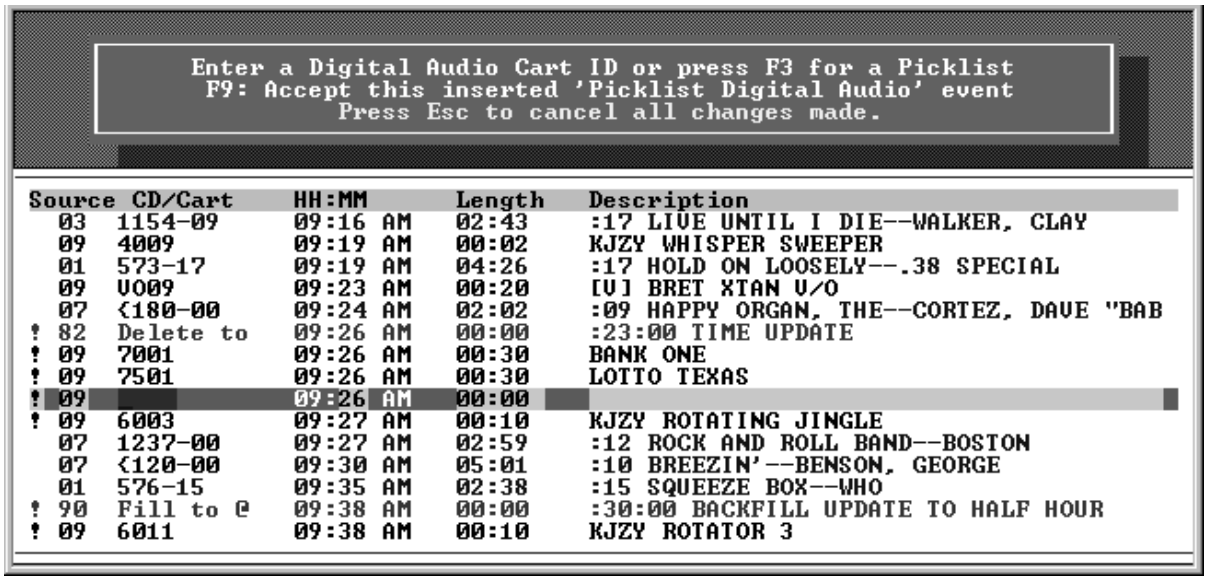
Enter a Digital Audio Cart ID or press F3 for a Picklist
F9: Accept this inserted 'Picklist Digital Audio' event
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
03 1154-09 09:16 AM 02:43 :17 LIVE UNTIL I DIE--WALKER, CLAY
09 4009 09:19 AM 00:02 KJZY WHISPER SWEEPER
01 573-17 09:19 AM 04:26 :17 HOLD ON LOOSELY--.38 SPECIAL
09 V009 09:23 AM 00:20 [V] BRET XTAN V/O
07 <180-00 09:24 AM 02:02 :09 HAPPY ORGAN, THE--CORTEZ, DAVE "BAB
! 82 Delete to 09:26 AM 00:00 :23:00 TIME UPDATE
! 09 7001 09:26 AM 00:30 BANK ONE
! 09 7501 09:26 AM 00:30 LOTTO TEXAS
! 09 09:26 AM 00:00
! 09 6003 09:27 AM 00:10 KJZY ROTATING JINGLE
07 1237-00 09:27 AM 02:59 :12 ROCK AND ROLL BAND--BOSTON
07 <120-00 09:30 AM 05:01 :10 BREEZIN'--BENSON, GEORGE
01 576-15 09:35 AM 02:38 :15 SQUEEZE BOX--WHO
! 90 Fill to @ 09:38 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
! 09 6011 09:38 AM 00:10 KJZY ROTATOR 3

Figure 3-45 UDS II Schedule Editor Grab Example— New Event

3. Type the four-character cart number for the pick list event you wish to insert. To abort the Grab command, press ESC before completing the cart number entry.

   For example, type 9 8 0 1 in the CD/Cart field to insert this event.

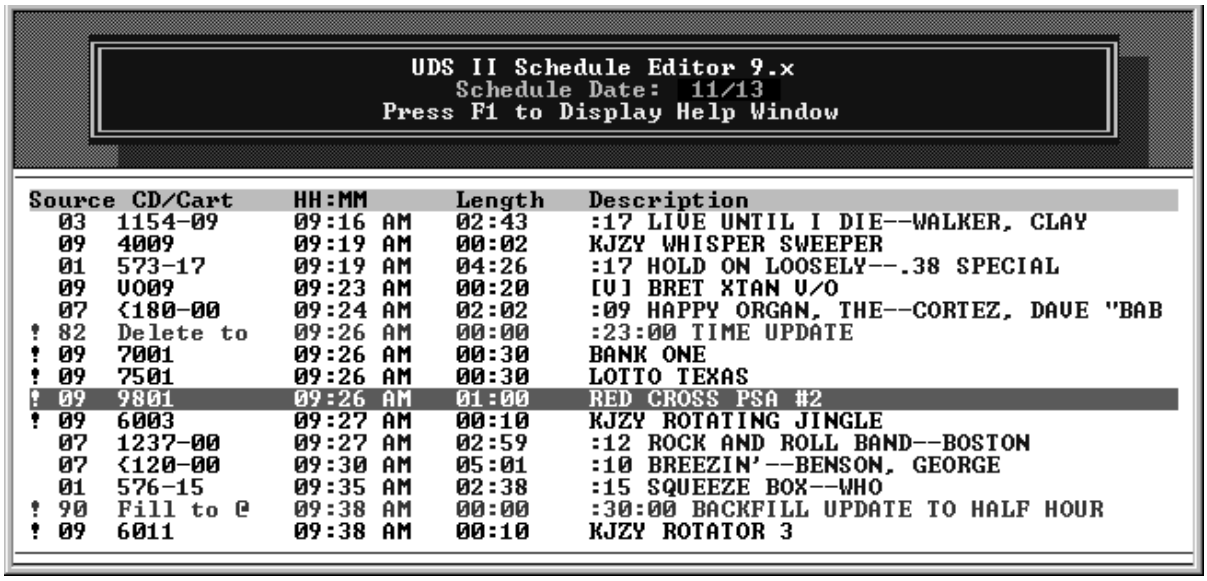
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
03 1154-09 09:16 AM 02:43 :17 LIVE UNTIL I DIE--WALKER, CLAY
09 4009 09:19 AM 00:02 KJZY WHISPER SWEEPER
01 573-17 09:19 AM 04:26 :17 HOLD ON LOOSELY--.38 SPECIAL
09 V009 09:23 AM 00:20 [V] BRET XTAN V/O
07 <180-00 09:24 AM 02:02 :09 HAPPY ORGAN, THE--CORTEZ, DAVE "BAB
! 82 Delete to 09:26 AM 00:00 :23:00 TIME UPDATE
! 09 7001 09:26 AM 00:30 BANK ONE
! 09 7501 09:26 AM 00:30 LOTTO TEXAS
! 09 9801 09:26 AM 01:00 RED CROSS PSA #2
! 09 6003 09:27 AM 00:10 KJZY ROTATING JINGLE
07 1237-00 09:27 AM 02:59 :12 ROCK AND ROLL BAND--BOSTON
07 <120-00 09:30 AM 05:01 :10 BREEZIN'--BENSON, GEORGE
01 576-15 09:35 AM 02:38 :15 SQUEEZE BOX--WHO
! 90 Fill to @ 09:38 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
! 09 6011 09:38 AM 00:10 KJZY ROTATOR 3

Figure 3-46 UDS II Schedule Editor Grab Example— Grab Completed

Utilities for the UDS II—UDS II Schedule Editor; Grab, continued

➪ To grab an event *from the pick list directly*, follow these steps:

1. Use the ↑ and ↓ keys to move the highlight bar to the location for the new event.

   For example, to insert a Boy Scout PSA as the last event in the 10:23 a.m. stop set, just before the KJZY Rotating Jingle, use the ↑ and ↓ keys to highlight the KJZY Rotating Jingles event.

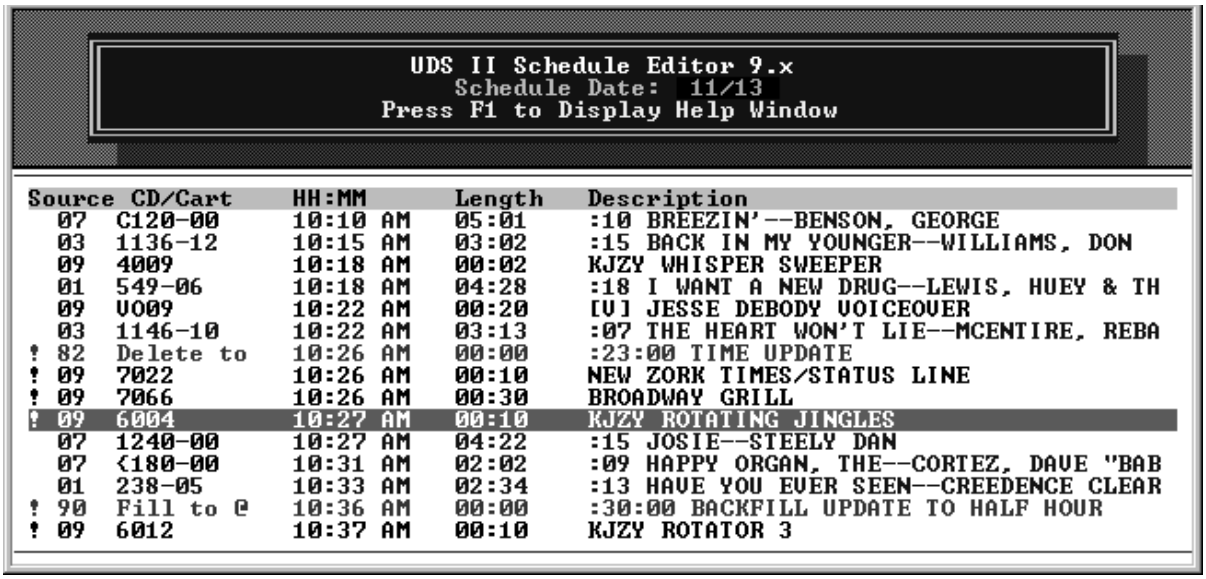
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
07 C120-00 10:10 AM 05:01 :10 BREEZIN'--BENSON, GEORGE
03 1136-12 10:15 AM 03:02 :15 BACK IN MY YOUNGER--WILLIAMS, DON
09 4009 10:18 AM 00:02 KJZY WHISPER SWEEPER
01 549-06 10:18 AM 04:28 :18 I WANT A NEW DRUG--LEWIS, HUEY & TH
09 VO09 10:22 AM 00:20 [V] JESSE DEBODY VOICEOVER
03 1146-10 10:22 AM 03:13 :07 THE HEART WON'T LIE--MCENTIRE, REBA
! 82 Delete to 10:26 AM 00:00 :23:00 TIME UPDATE
! 09 7022 10:26 AM 00:10 NEW ZORK TIMES/STATUS LINE
! 09 7066 10:26 AM 00:30 BROADWAY GRILL
! 09 6004 10:27 AM 00:10 KJZY ROTATING JINGLES
07 1240-00 10:27 AM 04:22 :15 JOSIE--STEELY DAN
07 <180-00 10:31 AM 02:02 :09 HAPPY ORGAN, THE--CORTEZ, DAVE "BAB
01 238-05 10:33 AM 02:34 :13 HAVE YOU EVER SEEN--CREEDENCE CLEAR
! 90 Fill to @ 10:36 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
! 09 6012 10:37 AM 00:10 KJZY ROTATOR 3

Figure 3-47 UDS II Schedule Editor Grab Example— Pre-Grab

Utilities for the UDS II—UDS II Schedule Editor; Grab, continued

2. Press G to begin the Grab process. A new empty event appears just before the highlighted event, moving the rest of the schedule down one event.

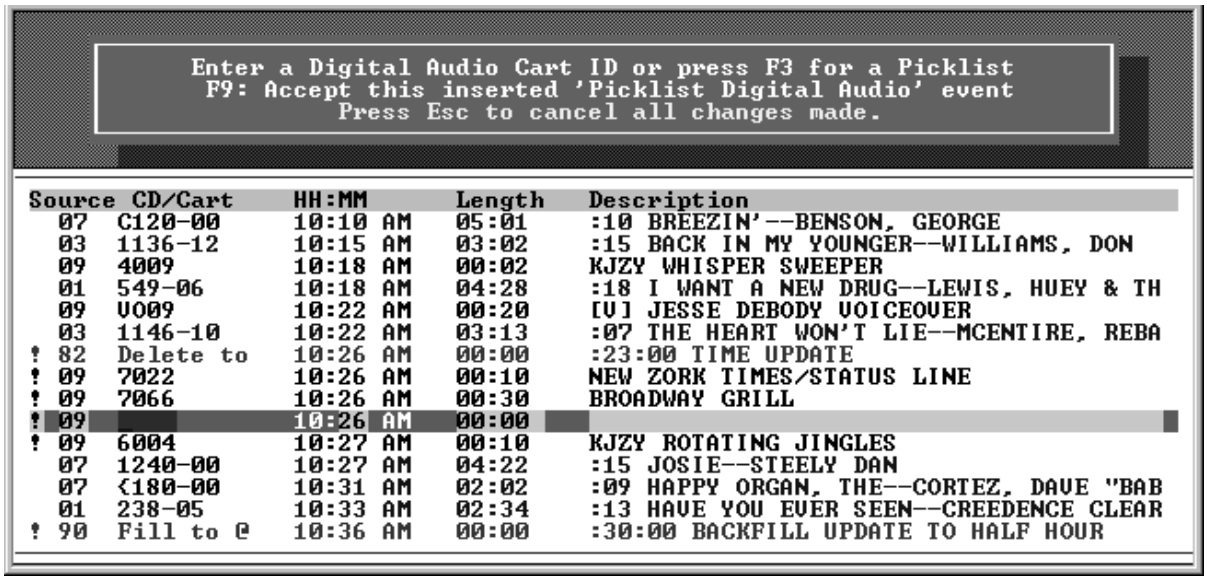
Enter a Digital Audio Cart ID or press F3 for a Picklist
F9: Accept this inserted 'Picklist Digital Audio' event
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
07 C120-00 10:10 AM 05:01 :10 BREEZIN'--BENSON, GEORGE
03 1136-12 10:15 AM 03:02 :15 BACK IN MY YOUNGER--WILLIAMS, DON
09 4009 10:18 AM 00:02 KJZY WHISPER SWEEPER
01 549-06 10:18 AM 04:28 :18 I WANT A NEW DRUG--LEWIS, HUEY & TH
09 V009 10:22 AM 00:20 [V] JESSE DEBODY VOICEOVER
03 1146-10 10:22 AM 03:13 :07 THE HEART WON'T LIE--MCENTIRE, REBA
! 82 Delete to 10:26 AM 00:00 :23:00 TIME UPDATE
! 09 7022 10:26 AM 00:10 NEW ZORK TIMES/STATUS LINE
! 09 7066 10:26 AM 00:30 BROADWAY GRILL
! 09 10:26 AM 00:00
! 09 6004 10:27 AM 00:10 KJZY ROTATING JINGLES
07 1240-00 10:27 AM 04:22 :15 JOSIE--STEELY DAN
07 <180-00 10:31 AM 02:02 :09 HAPPY ORGAN, THE--CORTEZ, DAVE "BAB
01 238-05 10:33 AM 02:34 :13 HAVE YOU EVER SEEN--CREEDENCE CLEAR
! 90 Fill to @ 10:36 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR

Figure 3-48 UDS II Schedule Editor Grab Example— New Event

3. Press F3 to display a pick list of available "fill" carts.

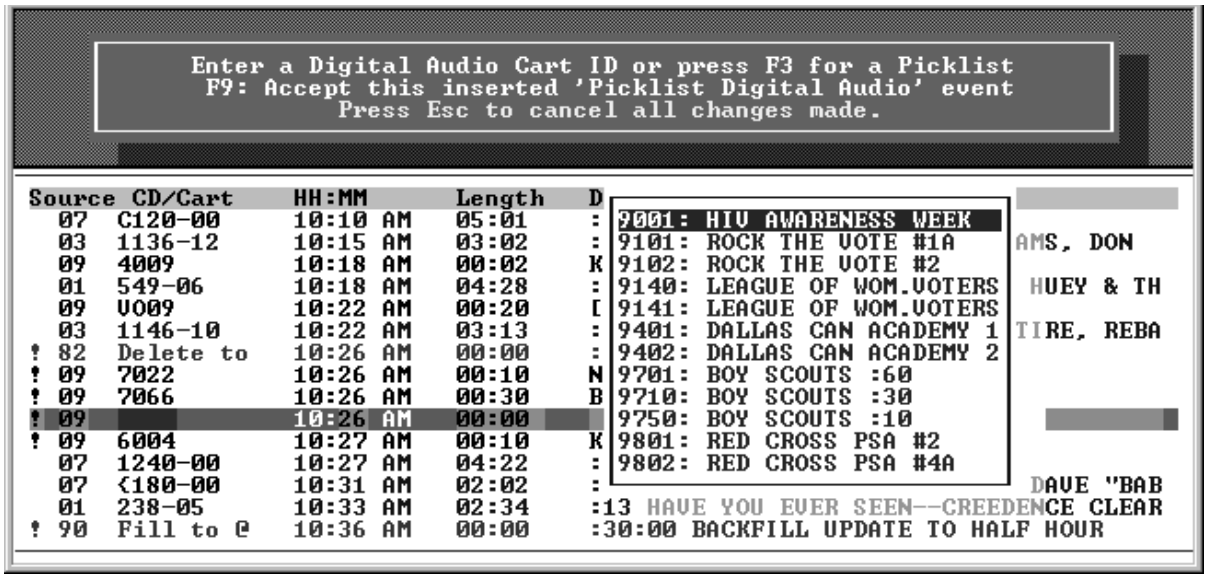
Enter a Digital Audio Cart ID or press F3 for a Picklist
F9: Accept this inserted 'Picklist Digital Audio' event
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length D
07 C120-00 10:10 AM 05:01 :
03 1136-12 10:15 AM 03:02 :
09 4009 10:18 AM 00:02 K
01 549-06 10:18 AM 04:28 :
09 V009 10:22 AM 00:20 [
03 1146-10 10:22 AM 03:13 :
! 82 Delete to 10:26 AM 00:00 :
! 09 7022 10:26 AM 00:10 N
! 09 7066 10:26 AM 00:30 B
! 09 10:26 AM 00:00
! 09 6004 10:27 AM 00:10 K
07 1240-00 10:27 AM 04:22 :
07 <180-00 10:31 AM 02:02 :
01 238-05 10:33 AM 02:34 :13 HAVE YOU EVER SEEN--CREEDENCE CLEAR
! 90 Fill to @ 10:36 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
9001: HIV AWARENESS WEEK
9101: ROCK THE VOTE #1A
9102: ROCK THE VOTE #2
9140: LEAGUE OF WOM.VOTERS
9141: LEAGUE OF WOM.VOTERS
9401: DALLAS CAN ACADEMY 1
9402: DALLAS CAN ACADEMY 2
9701: BOY SCOUTS :60
9710: BOY SCOUTS :30
9750: BOY SCOUTS :10
9801: RED CROSS PSA #2
9802: RED CROSS PSA #4A
AMS, DON
HUEY & TH
TIRE, REBA
DAVE "BAB

Figure 3-49 UDS II Schedule Editor Grab Example— Pick List, Initial

Utilities for the UDS II—UDS II Schedule Editor; Grab, continued

4. Use the ↑ and ↓ arrow keys to move the highlight bar to the "fill" cart you wish to insert.

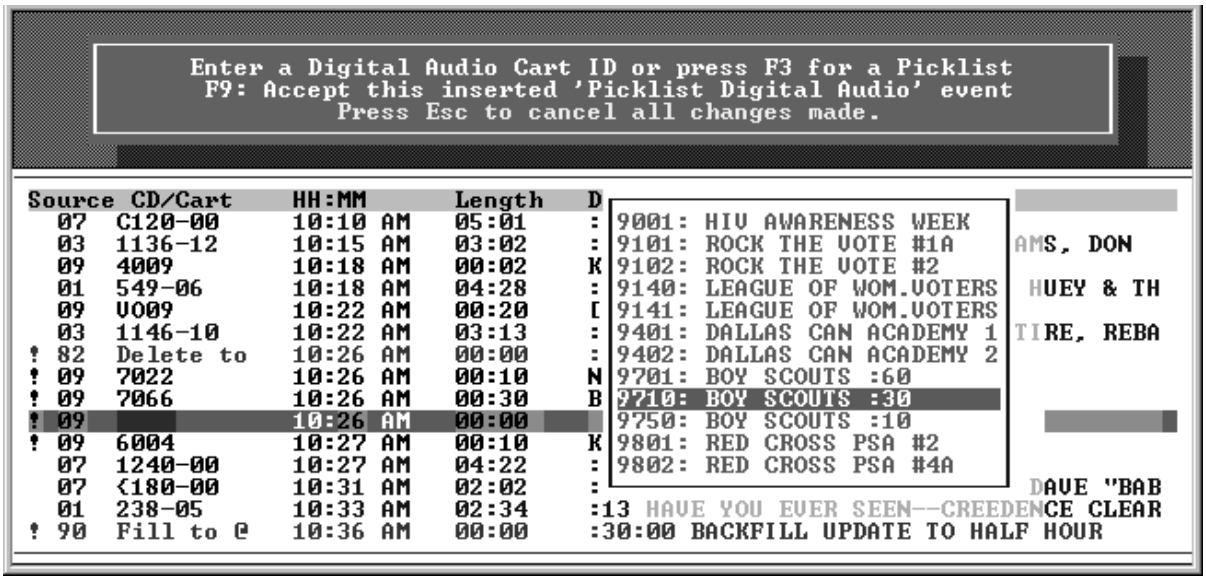
Enter a Digital Audio Cart ID or press F3 for a Picklist
F9: Accept this inserted 'Picklist Digital Audio' event
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length D
07 C120-00 10:10 AM 05:01 :
03 1136-12 10:15 AM 03:02 :
09 4009 10:18 AM 00:02 K
01 549-06 10:18 AM 04:28 :
09 VO09 10:22 AM 00:20 [
03 1146-10 10:22 AM 03:13 :
! 82 Delete to 10:26 AM 00:00 :
! 09 7022 10:26 AM 00:10 N
! 09 7066 10:26 AM 00:30 B
! 09 10:26 AM 00:00
! 09 6004 10:27 AM 00:10 K
07 1240-00 10:27 AM 04:22 :
07 <180-00 10:31 AM 02:02 :
01 238-05 10:33 AM 02:34 :13 HAVE YOU EVER SEEN--CREEDENCE CLEAR
! 90 Fill to @ 10:36 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
9001: HIV AWARENESS WEEK
9101: ROCK THE VOTE #1A
9102: ROCK THE VOTE #2
9140: LEAGUE OF WOM.VOTERS
9141: LEAGUE OF WOM.VOTERS
9401: DALLAS CAN ACADEMY 1
9402: DALLAS CAN ACADEMY 2
9701: BOY SCOUTS :60
9710: BOY SCOUTS :30
9750: BOY SCOUTS :10
9801: RED CROSS PSA #2
9802: RED CROSS PSA #4A
AMS, DON
HUEY & TH
TIRE, REBA
DAVE "BAB

Figure 3-50 UDS II Schedule Editor Grab Example—Pick List, Selected

5. Press ENTER to insert this event into the schedule. To abort the Grab command, press ESC before completing the insertion.

To remove a "grabbed" event (or any event in the schedule), use the Delete command described on page 3-111 or quit the UDS II Editor without saving changes.

The length and description of "grabbed" events are taken from the pick list. The source number of the primary non-music digital audio source is read from the Commercial Merge Configuration Setup.

📖 For more information on setting up the primary non-music digital audio source number, see *Configuring the Merge Program* starting on page 3-57.

Utilities for the UDS II—UDS II Schedule Editor, continued

L—List

The List feature of the UDS II Schedule Editor allows you to choose a digital audio event from a list that you create. The List command allows you to rapidly insert promos, public service announcements, or other "fill" digital audio events from a list of up to 30 events. These carts are chosen by scrolling through the pick list. The List command inserts this new event immediately before the highlighted event.

IMPORTANT! You must first configure this pick list using the ALT F10 command described on page 3-138. The List command will not function until this pick list has been created.

1. Use the ↑ and ↓ keys to move the highlight bar to the location for the new event. The new event precedes the highlighted event.

   For example, to insert a PSA as the first event in the 12:23 p.m. stop set, just after the time update, use the ↑ and ↓ keys to move the highlight bar to the first event after the update command.

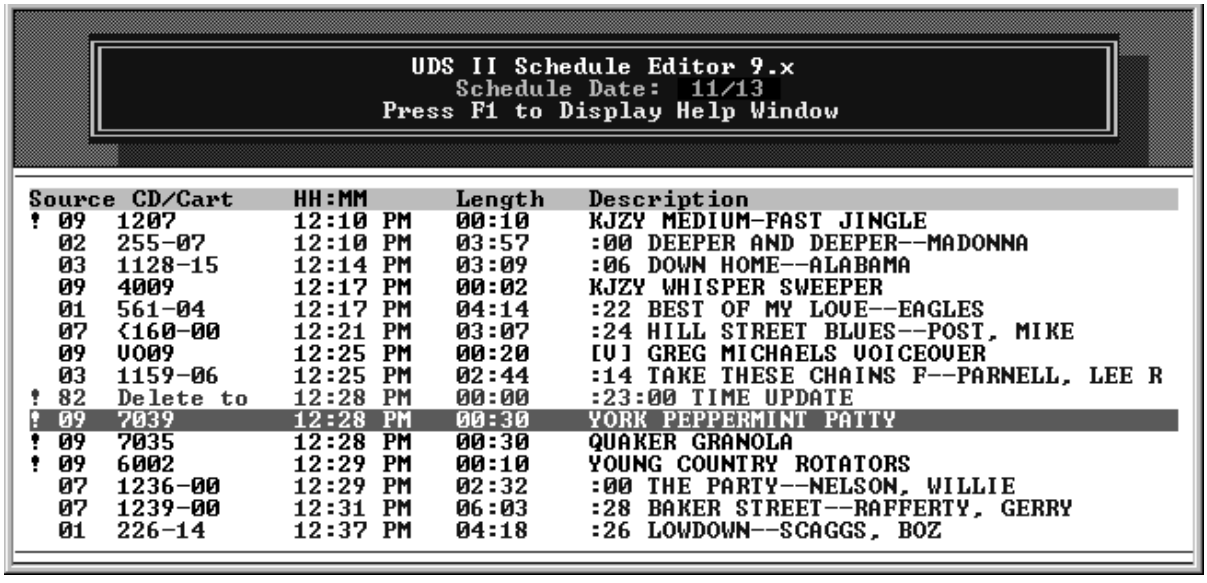
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
! 09 1207 12:10 PM 00:10 KJZY MEDIUM-FAST JINGLE
02 255-07 12:10 PM 03:57 :00 DEEPER AND DEEPER--MADONNA
03 1128-15 12:14 PM 03:09 :06 DOWN HOME--ALABAMA
09 4009 12:17 PM 00:02 KJZY WHISPER SWEEPER
01 561-04 12:17 PM 04:14 :22 BEST OF MY LOVE--EAGLES
07 <160-00 12:21 PM 03:07 :24 HILL STREET BLUES--POST, MIKE
09 V009 12:25 PM 00:20 [V] GREG MICHAELS VOICEOVER
03 1159-06 12:25 PM 02:44 :14 TAKE THESE CHAINS F--PARNELL, LEE R
! 82 Delete to 12:28 PM 00:00 :23:00 TIME UPDATE
! 09 7039 12:28 PM 00:30 YORK PEPPERMINT PATTY
! 09 7035 12:28 PM 00:30 QUAKER GRANOLA
! 09 6002 12:29 PM 00:10 YOUNG COUNTRY ROTATORS
07 1236-00 12:29 PM 02:32 :00 THE PARTY--NELSON, WILLIE
07 1239-00 12:31 PM 06:03 :28 BAKER STREET--RAFFERTY, GERRY
01 226-14 12:37 PM 04:18 :26 LOWDOWN--SCAGGS, BOZ

Figure 3-51 UDS II Schedule Editor List Example— Pre-List

Utilities for the UDS II—UDS II Schedule Editor; List, continued

2. Press L to display the first event in the pick list. This event appears in the highlight bar, moving the rest of the schedule down one event.

   In this example, the "HIV Awareness Week" PSA is the first event in the pick list.

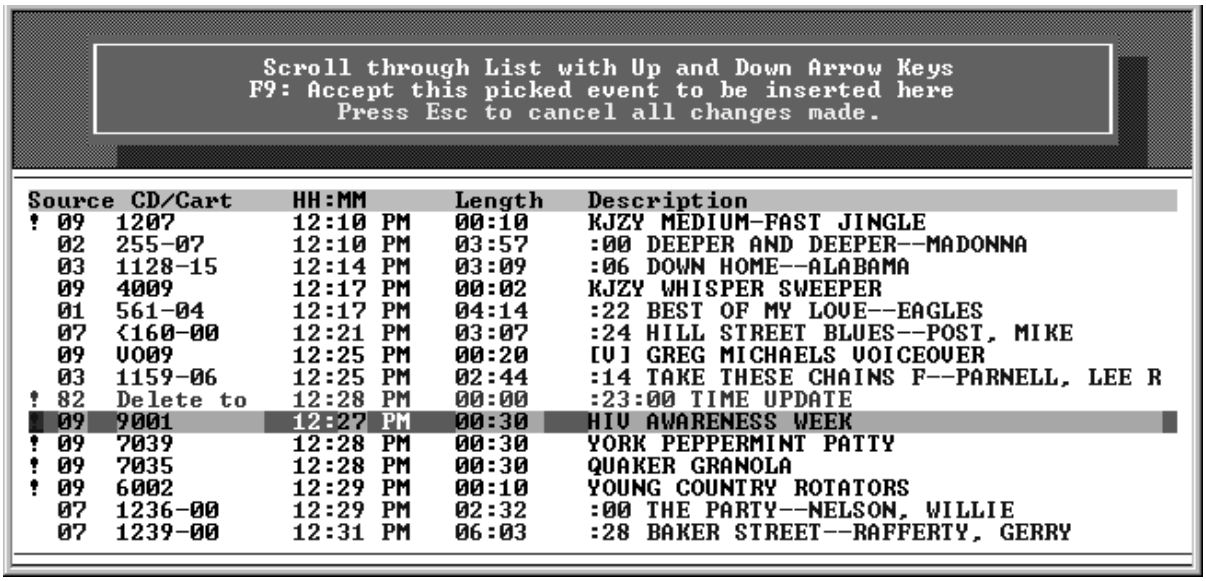
Scroll through List with Up and Down Arrow Keys
F9: Accept this picked event to be inserted here
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
! 09 1207 12:10 PM 00:10 KJZY MEDIUM-FAST JINGLE
02 255-07 12:10 PM 03:57 :00 DEEPER AND DEEPER--MADONNA
03 1128-15 12:14 PM 03:09 :06 DOWN HOME--ALABAMA
09 4009 12:17 PM 00:02 KJZY WHISPER SWEEPER
01 561-04 12:17 PM 04:14 :22 BEST OF MY LOVE--EAGLES
07 <160-00 12:21 PM 03:07 :24 HILL STREET BLUES--POST, MIKE
09 VO09 12:25 PM 00:20 [V] GREG MICHAELS VOICEOVER
03 1159-06 12:25 PM 02:44 :14 TAKE THESE CHAINS F--PARNELL, LEE R
! 82 Delete to 12:28 PM 00:00 :23:00 TIME UPDATE
09 9001 12:27 PM 00:30 HIV AWARENESS WEEK
! 09 7039 12:28 PM 00:30 YORK PEPPERMINT PATTY
! 09 7035 12:28 PM 00:30 QUAKER GRANOLA
! 09 6002 12:29 PM 00:10 YOUNG COUNTRY ROTATORS
07 1236-00 12:29 PM 02:32 :00 THE PARTY--NELSON, WILLIE
07 1239-00 12:31 PM 06:03 :28 BAKER STREET--RAFFERTY, GERRY

Figure 3-52 UDS II Schedule Editor List Example— First Event on Pick List

Utilities for the UDS II—UDS II Schedule Editor; List, continued

3. Use the ↑ and ↓ arrows to scroll through the pick list to find the event you wish to insert. The pick list is a *circular* buffer so when you reach the end, it will start over.

   In this example, press ↓ until "Dallas Can Academy 2" appears on the highlighted line.

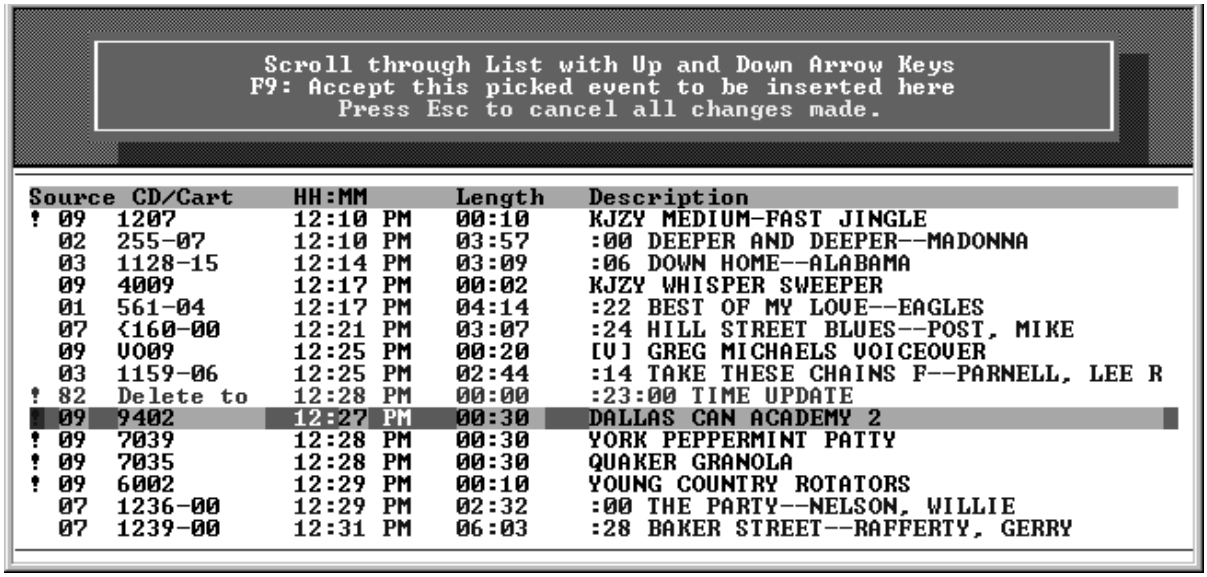
Scroll through List with Up and Down Arrow Keys
F9: Accept this picked event to be inserted here
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
! 09 1207 12:10 PM 00:10 KJZY MEDIUM-FAST JINGLE
02 255-07 12:10 PM 03:57 :00 DEEPER AND DEEPER--MADONNA
03 1128-15 12:14 PM 03:09 :06 DOWN HOME--ALABAMA
09 4009 12:17 PM 00:02 KJZY WHISPER SWEEPER
01 561-04 12:17 PM 04:14 :22 BEST OF MY LOVE--EAGLES
07 <160-00 12:21 PM 03:07 :24 HILL STREET BLUES--POST, MIKE
09 V009 12:25 PM 00:20 [V] GREG MICHAELS VOICEOVER
03 1159-06 12:25 PM 02:44 :14 TAKE THESE CHAINS F--PARNELL, LEE R
! 82 Delete to 12:28 PM 00:00 :23:00 TIME UPDATE
09 9402 12:27 PM 00:30 DALLAS CAN ACADEMY 2
! 09 7039 12:28 PM 00:30 YORK PEPPERMINT PATTY
! 09 7035 12:28 PM 00:30 QUAKER GRANOLA
! 09 6002 12:29 PM 00:10 YOUNG COUNTRY ROTATORS
07 1236-00 12:29 PM 02:32 :00 THE PARTY--NELSON, WILLIE
07 1239-00 12:31 PM 06:03 :28 BAKER STREET--RAFFERTY, GERRY

Figure 3-53 UDS II Schedule Editor List Example— Found the Desired Event

4. Pressing F9 accepts the selected event and inserts it into the schedule. Pressing ESC instead aborts the List command and returns the schedule to its original state.

The inserted event takes its scheduled start time from the event just before it in the schedule. The length and description of events inserted by the List command are taken from the pick list. The source number of the primary non-music digital audio source is read from the Commercial Merge Configuration Setup.

📖 For more information on setting up the primary non-music digital audio source number, see *Configuring the Merge Program* starting on page 3-57.

Utilities for the UDS II—UDS II Schedule Editor, continued

M—Move

The Move feature of the UDS II Schedule Editor relocates the highlighted event to a new position in the schedule. This can be handy if you wish to juggle a stop set or move an event from one part of the schedule to another.

1. Use the ↑ and ↓ keys to move the highlight bar to the event you want to move.

   For example, if you want to move the "Hormel Meats" commercial from the busy 8:08 a.m. stop set to the less-crowded 8:23 a.m. stop set, use the ↑ and ↓ keys to position the highlight bar on the "Hormel Meats" commercial.

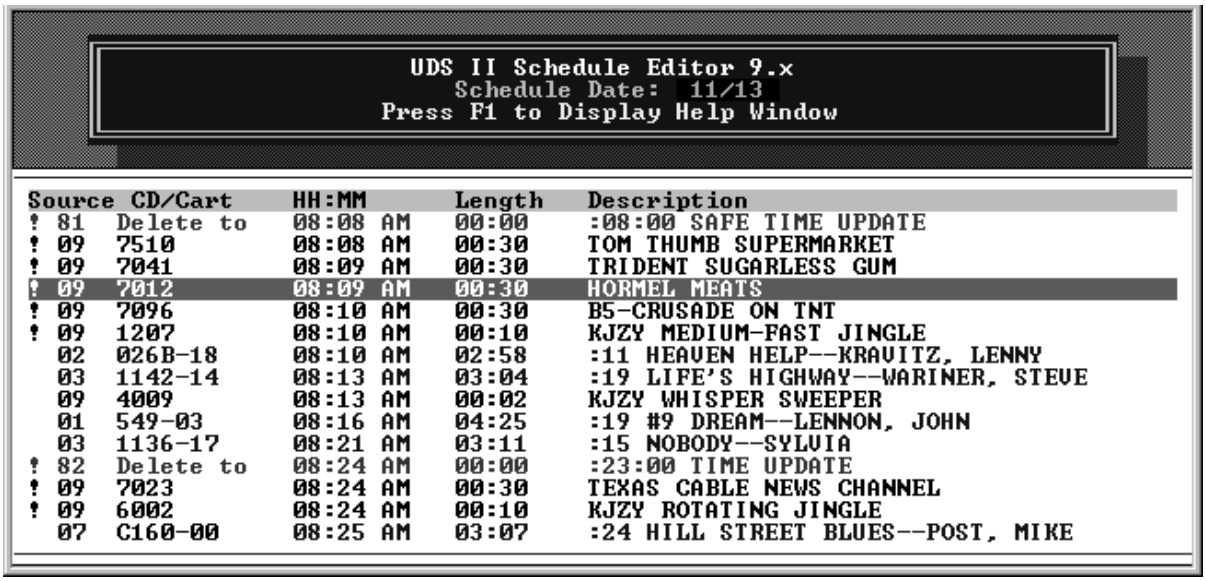
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
! 81 Delete to 08:08 AM 00:00 :08:00 SAFE TIME UPDATE
! 09 7510 08:08 AM 00:30 TOM THUMB SUPERMARKET
! 09 7041 08:09 AM 00:30 TRIDENT SUGARLESS GUM
! 09 7012 08:09 AM 00:30 HORMEL MEATS
! 09 7096 08:10 AM 00:30 B5-CRUSADE ON TNT
! 09 1207 08:10 AM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-18 08:10 AM 02:58 :11 HEAVEN HELP--KRAVITZ, LENNY
03 1142-14 08:13 AM 03:04 :19 LIFE'S HIGHWAY--WARINER, STEVE
09 4009 08:13 AM 00:02 KJZY WHISPER SWEEPER
01 549-03 08:16 AM 04:25 :19 #9 DREAM--LENNON, JOHN
03 1136-17 08:21 AM 03:11 :15 NOBODY--SYLVIA
! 82 Delete to 08:24 AM 00:00 :23:00 TIME UPDATE
! 09 7023 08:24 AM 00:30 TEXAS CABLE NEWS CHANNEL
! 09 6002 08:24 AM 00:10 KJZY ROTATING JINGLE
07 C160-00 08:25 AM 03:07 :24 HILL STREET BLUES--POST, MIKE

Figure 3-54 UDS II Schedule Editor Move Example— Pre-Move

2. Press M to begin the Move process.

   The currently highlighted event starts blinking and the event's text color changes to blue, to indicate that a move is pending.

   The top of the window displays your move instructions.

Utilities for the UDS II—UDS II Schedule Editor; Move, continued

3. Use the ↑ and ↓ keys to move the highlight bar to the new location for the event.

   For example, to move the "Hormel Meats" commercial to the last event in the stop set, just before the "KJZY Rotating Jingle", press ↓ until "KJZY Rotating Jingle" is highlighted.

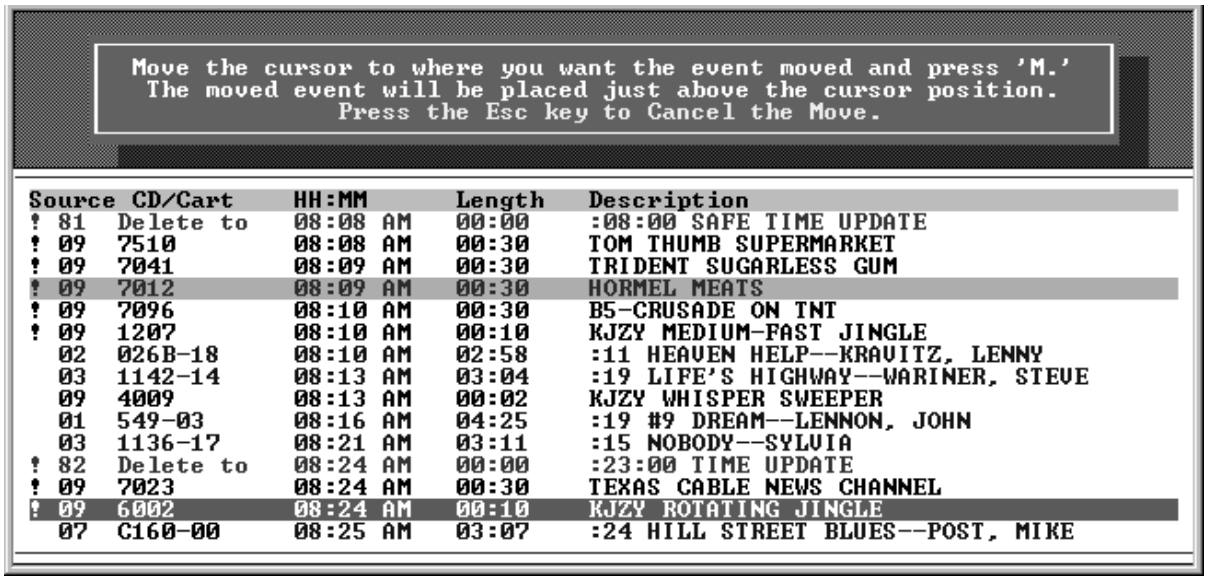
Move the cursor to where you want the event moved and press 'M.'
The moved event will be placed just above the cursor position.
Press the Esc key to Cancel the Move.
Source CD/Cart HH:MM Length Description
! 81 Delete to 08:08 AM 00:00 :08:00 SAFE TIME UPDATE
! 09 7510 08:08 AM 00:30 TOM THUMB SUPERMARKET
! 09 7041 08:09 AM 00:30 TRIDENT SUGARLESS GUM
! 09 7012 08:09 AM 00:30 HORMEL MEATS
! 09 7096 08:10 AM 00:30 B5-CRUSADE ON TNT
! 09 1207 08:10 AM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-18 08:10 AM 02:58 :11 HEAVEN HELP--KRAVITZ, LENNY
03 1142-14 08:13 AM 03:04 :19 LIFE'S HIGHWAY--WARINER, STEVE
09 4009 08:13 AM 00:02 KJZY WHISPER SWEEPER
01 549-03 08:16 AM 04:25 :19 #9 DREAM--LENNON, JOHN
03 1136-17 08:21 AM 03:11 :15 NOBODY--SYLVIA
! 82 Delete to 08:24 AM 00:00 :23:00 TIME UPDATE
! 09 7023 08:24 AM 00:30 TEXAS CABLE NEWS CHANNEL
! 09 6002 08:24 AM 00:10 KJZY ROTATING JINGLE
07 C160-00 08:25 AM 03:07 :24 HILL STREET BLUES--POST, MIKE

Figure 3-55 UDS II Schedule Editor Move Example— Highlight Destination

Utilities for the UDS II—UDS II Schedule Editor; Move, continued

4. Press M again to complete the move process.

   The event is inserted at the highlight, and the following events are moved down one position in the schedule. The moved event is given a new start time based on its location in the schedule.

   In this example, the "Hormel Meats" commercial is now located just before the "KJZY Rotating Jingle. The "Hormel Meats" commercial now also shows a schedule start time of 8:24 a.m., the same start time as the "Texas Cable News Channel" commercial that precedes it.

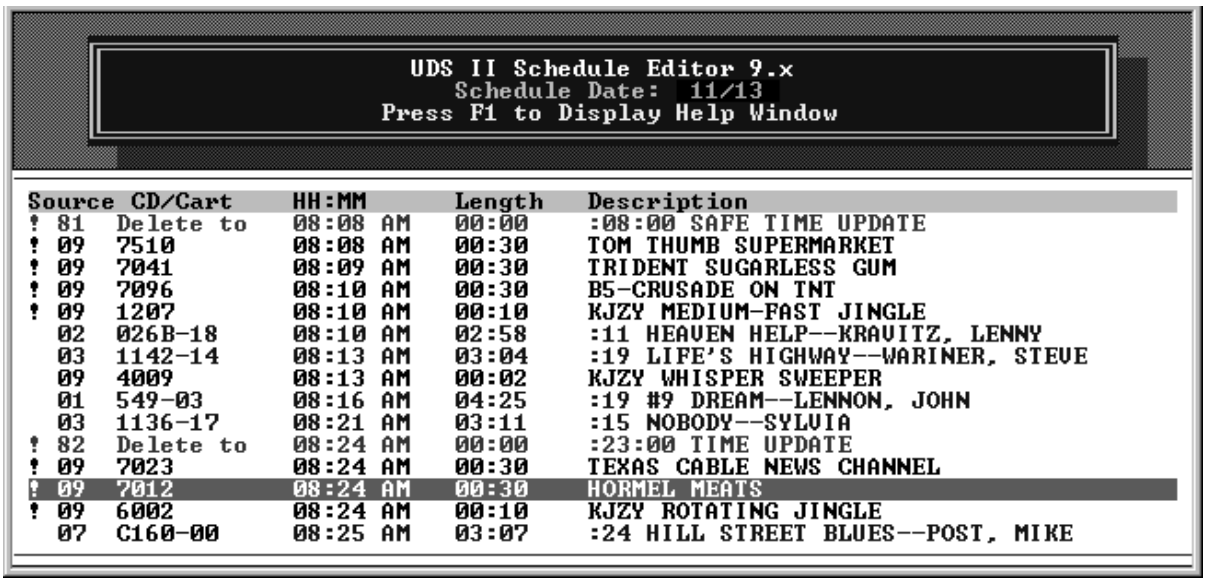
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
! 81 Delete to 08:08 AM 00:00 :08:00 SAFE TIME UPDATE
! 09 7510 08:08 AM 00:30 TOM THUMB SUPERMARKET
! 09 7041 08:09 AM 00:30 TRIDENT SUGARLESS GUM
! 09 7096 08:10 AM 00:30 B5-CRUSADE ON TNT
! 09 1207 08:10 AM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-18 08:10 AM 02:58 :11 HEAVEN HELP--KRAVITZ, LENNY
03 1142-14 08:13 AM 03:04 :19 LIFE'S HIGHWAY--WARINER, STEVE
09 4009 08:13 AM 00:02 KJZY WHISPER SWEEPER
01 549-03 08:16 AM 04:25 :19 #9 DREAM--LENNON, JOHN
03 1136-17 08:21 AM 03:11 :15 NOBODY--SYLVIA
! 82 Delete to 08:24 AM 00:00 :23:00 TIME UPDATE
! 09 7023 08:24 AM 00:30 TEXAS CABLE NEWS CHANNEL
! 09 7012 08:24 AM 00:30 HORMEL MEATS
! 09 6002 08:24 AM 00:10 KJZY ROTATING JINGLE
07 C160-00 08:25 AM 03:07 :24 HILL STREET BLUES--POST, MIKE

Figure 3-56 UDS II Schedule Editor Move Example— Completed

Pressing ESC (or any key besides M or the arrow keys) while the move is pending cancels the move command.

Utilities for the UDS II—UDS II Schedule Editor, continued

[N]—Next

The Next feature of the UDS II Schedule Editor moves the editor's cursor to the *next* instance of the highlighted event. If there is not a "next" instance of that event, a message to that effect appears in a green box at the top of the screen.

To find the next instance of an event, follow the steps outlined below:

1. Use the [↑] and [↓] arrow keys to move the highlight bar to the event of your choice.

   For example, to find the next instance of the "Channel 5" commercial, use the [↑] and [↓] arrow keys to move the highlight bar to that event.

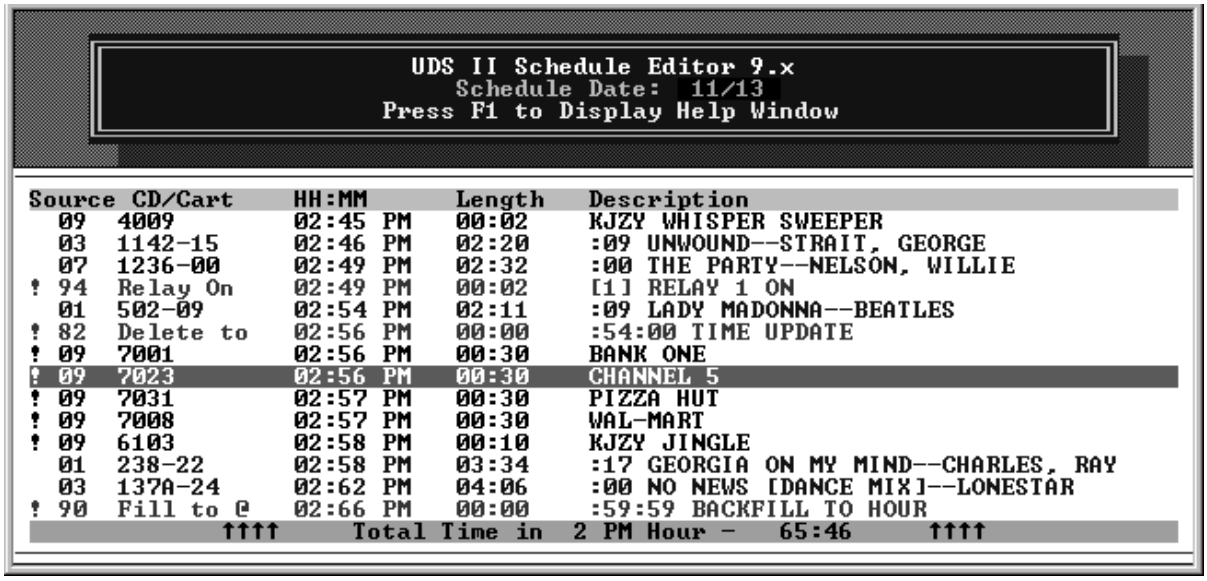
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
09 4009 02:45 PM 00:02 KJZY WHISPER SWEEPER
03 1142-15 02:46 PM 02:20 :09 UNWOUND--STRAIT, GEORGE
07 1236-00 02:49 PM 02:32 :00 THE PARTY--NELSON, WILLIE
! 94 Relay On 02:49 PM 00:02 [1] RELAY 1 ON
01 502-09 02:54 PM 02:11 :09 LADY MADONNA--BEATLES
! 82 Delete to 02:56 PM 00:00 :54:00 TIME UPDATE
! 09 7001 02:56 PM 00:30 BANK ONE
! 09 7023 02:56 PM 00:30 CHANNEL 5
! 09 7031 02:57 PM 00:30 PIZZA HUT
! 09 7008 02:57 PM 00:30 WAL-MART
! 09 6103 02:58 PM 00:10 KJZY JINGLE
01 238-22 02:58 PM 03:34 :17 GEORGIA ON MY MIND--CHARLES, RAY
03 137A-24 02:62 PM 04:06 :00 NO NEWS [DANCE MIX]--LONESTAR
! 90 Fill to @ 02:66 PM 00:00 :59:59 BACKFILL TO HOUR
↑↑↑↑ Total Time in 2 PM Hour - 65:46 ↑↑↑↑

Figure 3-57 UDS II Schedule Editor Next Example— Initial Event

Utilities for the UDS II—UDS II Schedule Editor; Next, continued

2. To find the next instance of the highlighted event, press N. The highlight bar moves to the next instance of the event.

   The example below shows the next instance of the "Channel 5" commercial highlighted with a scheduled-at time of 7:47 p.m.

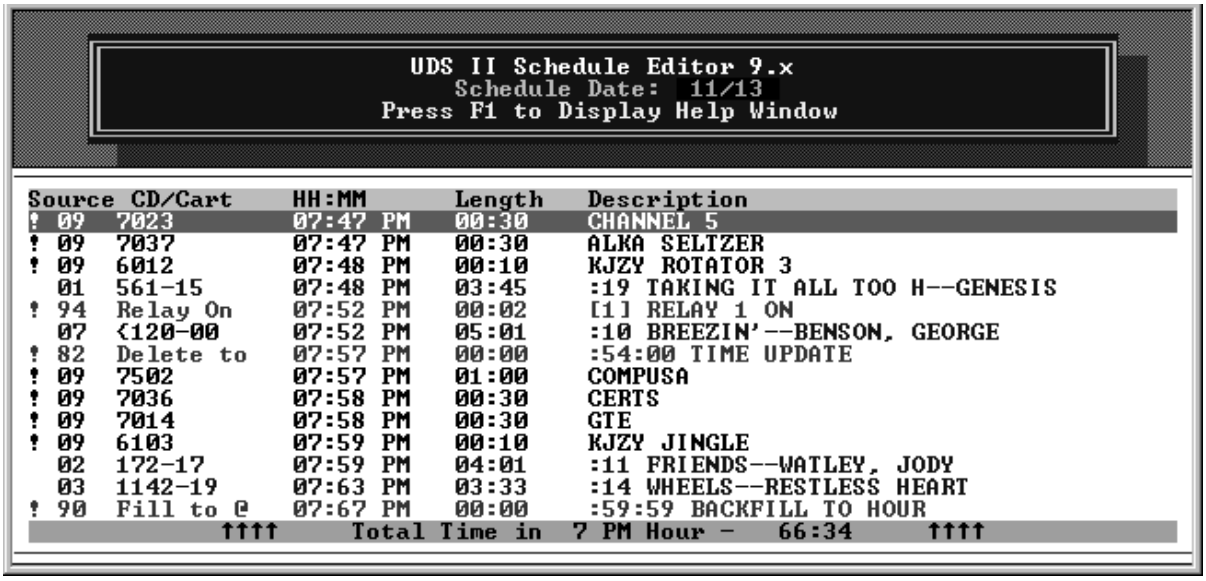
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
! 09 7023 07:47 PM 00:30 CHANNEL 5
! 09 7037 07:47 PM 00:30 ALKA SELTZER
! 09 6012 07:48 PM 00:10 KJZY ROTATOR 3
01 561-15 07:48 PM 03:45 :19 TAKING IT ALL TOO H--GENESIS
! 94 Relay On 07:52 PM 00:02 [1] RELAY 1 ON
07 <120-00 07:52 PM 05:01 :10 BREEZIN'--BENSON, GEORGE
! 82 Delete to 07:57 PM 00:00 :54:00 TIME UPDATE
! 09 7502 07:57 PM 01:00 COMPUSA
! 09 7036 07:58 PM 00:30 CERTS
! 09 7014 07:58 PM 00:30 GTE
! 09 6103 07:59 PM 00:10 KJZY JINGLE
02 172-17 07:59 PM 04:01 :11 FRIENDS--WATLEY, JODY
03 1142-19 07:63 PM 03:33 :14 WHEELS--RESTLESS HEART
! 90 Fill to @ 07:67 PM 00:00 :59:59 BACKFILL TO HOUR
↑↑↑↑ Total Time in 7 PM Hour - 66:34 ↑↑↑↑

Figure 3-58 UDS II Schedule Editor Next Example— Found Next Event

You may continue pressing N to find each "next" instance of this event until you reach the last such event or the end of the schedule.

If there had not been a "next" instance of the event you selected, the UDS II Schedule Editor would have displayed a green message at the top of the screen similar to the one below. Press any key, as indicated, to resume editing.

Figure 3-59 UDS II Schedule Editor Next Example— Next Not Found

Utilities for the UDS II—UDS II Schedule Editor, continued

[R]—Revise

The Revise feature of the UDS II Schedule Editor allows you to change multiple instances of the same event in the UDS II schedule. This command is often used to move a non-music digital audio event from one cart number to another or to change the schedule description of a non-music event or breaknote command.

> ***Note*:** The Revise command changes each event matching the search criteria from the current position in the schedule forward. To change the event across the whole schedule, press [HOME] to move to the start of the schedule before beginning the Revise process.

You may search for and replace events based on CD/Cart number or description. The matches must be *exact* or the Revise feature skips the event.

The UDS II Schedule Editor prompts you at each match to determine whether or not you wish to replace this event's information with the new information you entered. This allows you to selectively change matching events.

To use the Revise feature, follow the steps outlined below:

1. Use the [↑] and [↓] arrow keys to move the highlight bar to the first instance of the event you wish to revise.

2. Press [R] to begin the Revise process.

   The UDS II Editor displays the search and replace window.

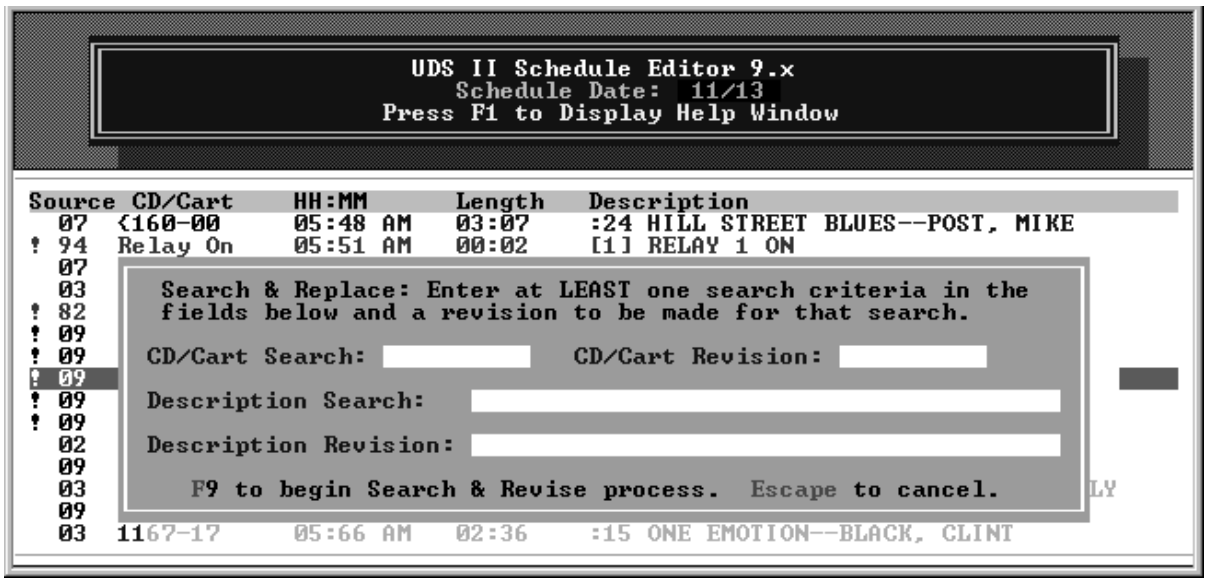
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
07 <160-00 05:48 AM 03:07 :24 HILL STREET BLUES--POST, MIKE
! 94 Relay On 05:51 AM 00:02 [1] RELAY 1 ON
Search & Replace: Enter at LEAST one search criteria in the fields below and a revision to be made for that search.
CD/Cart Search:
CD/Cart Revision:
Description Search:
Description Revision:
F9 to begin Search & Revise process. Escape to cancel.
03 1167-17 05:66 AM 02:36 :15 ONE EMOTION--BLACK, CLINT

Figure 3-60 UDS II Schedule Editor Revise Example— Search and Replace Window

Utilities for the UDS II—UDS II Schedule Editor; Revise, continued

- There are two ways to search for events to revise:
  - To search for a specific event by cart number or CD identifier, type the cart number or CD identifier (disc and track) into the CD/Cart Search field.
  - To search for a specific event description, type the entire description in the Description Search field.
- There are three ways matching events may be revised:
  - To replace the cart number or CD identifier for an event, type the new cart or CD identifier (disc and track) number into the CD/Cart Revision field.
  - To replace the description for an event, type the entire new description in the Description Revision field.

In this example, you wish to revise the "Dallas Can Academy 2" PSA on cart 9402 to be the alternate "Dallas Can Academy 1" PSA on cart 9401. Since the 5:57 a.m. instance of this cart is highlighted , the schedule will be revised from 5:57 a.m. to midnight only.

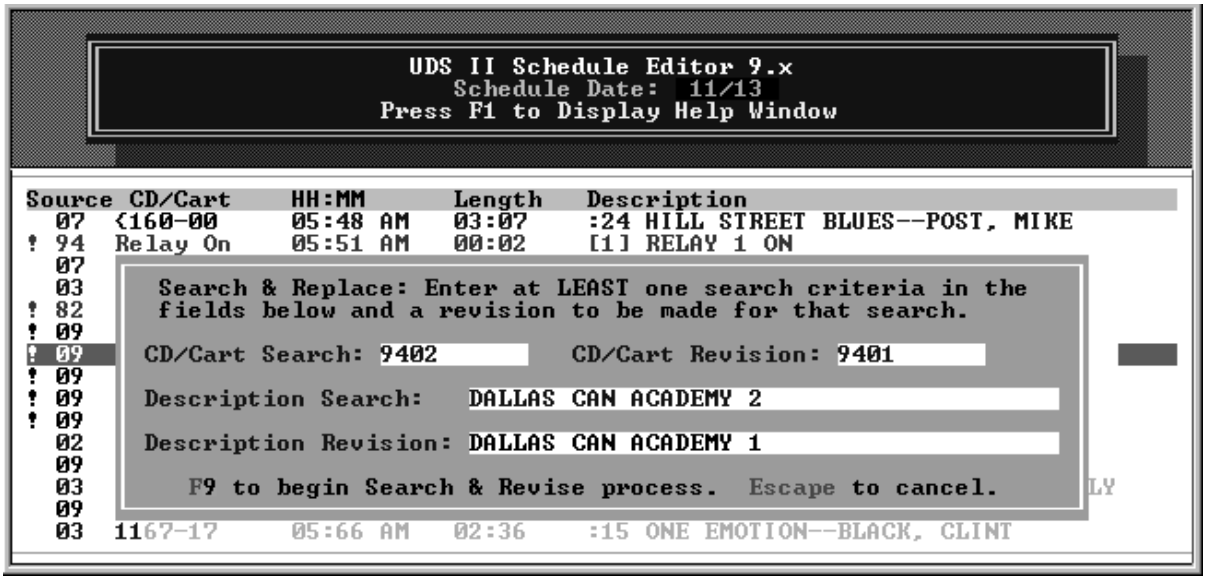
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
07 (160-00 05:48 AM 03:07 :24 HILL STREET BLUES--POST, MIKE
! 94 Relay On 05:51 AM 00:02 [1] RELAY 1 ON
07
03
Search & Replace: Enter at LEAST one search criteria in the fields below and a revision to be made for that search.
! 82
! 09
! 09 CD/Cart Search: 9402 CD/Cart Revision: 9401
! 09
! 09 Description Search: DALLAS CAN ACADEMY 2
! 09
02 Description Revision: DALLAS CAN ACADEMY 1
09
03 F9 to begin Search & Revise process. Escape to cancel.
09
03 1167-17 05:66 AM 02:36 :15 ONE EMOTION--BLACK, CLINT

Figure 3-61 UDS II Schedule Editor Revise Example—Search Criteria Entry

Utilities for the UDS II—UDS II Schedule Editor; Revise, continued

For this example, type the following search and replace criteria:

- Type 9 4 0 2 into the CD/Cart Search field and then press ENTER to search for all digital audio events on cart 9402.
- Type 9 4 0 1 into the CD/Cart Revision field and then press ENTER to replace cart number 9402 with 9401.
- Type D A L L A S SPACE C A N SPACE A C A D E M Y SPACE 2 ENTER

  into the Description Search field to search for all events with a description of "Dallas Can Academy 2".

  Note: This step is *optional* as it will force the Revise command to find only those events with *both* matching fields. You may wish to find all events with a certain cart number but any description. In that case, press ENTER to skip this entry field and proceed to the Description Search field.

- Type D A L L A S SPACE C A N SPACE A C A D E M Y SPACE 1 ENTER

  into the Description Revision field to replace any description of cart 9402 (soon to be 9401) with "Dallas Can Academy 1".

3. Press F9 to begin the Revise process.

Utilities for the UDS II—UDS II Schedule Editor; Revise, continued

4. Each time an exact match to the search criteria is found, the UDS II Schedule Editor displays the source number, scheduled start time, and run time for the matching event. The UDS II Schedule Editor prompts you to revise the event, to skip this event and continue searching, or to quit revising immediately.

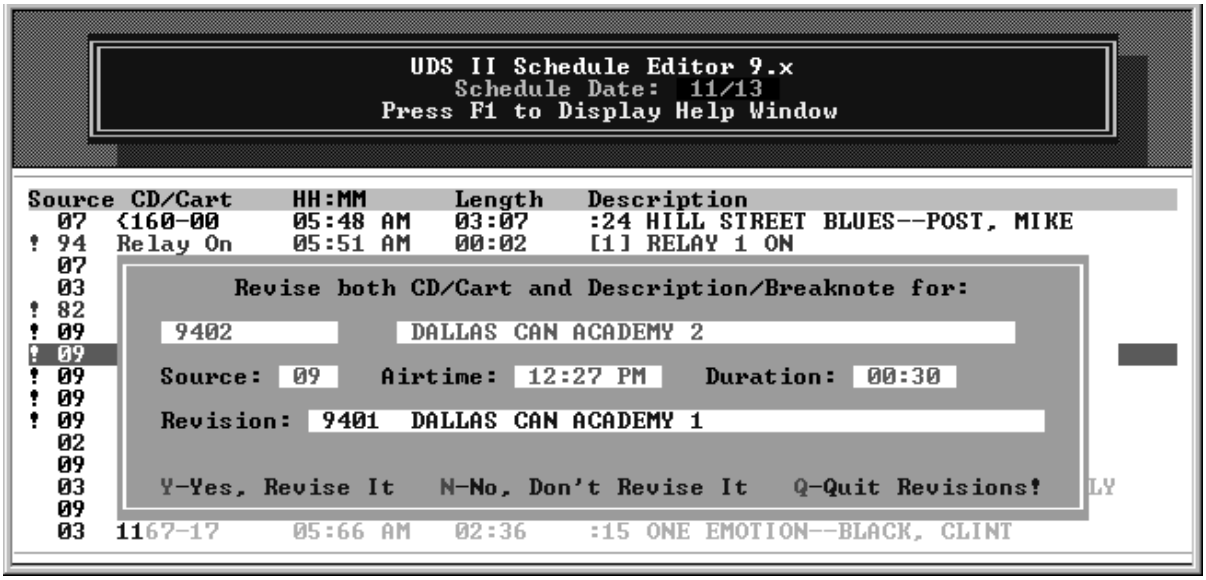
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
07 <160-00 05:48 AM 03:07 :24 HILL STREET BLUES--POST, MIKE
! 94 Relay On 05:51 AM 00:02 [1] RELAY 1 ON
Revise both CD/Cart and Description/Breaknote for:
9402 DALLAS CAN ACADEMY 2
Source: 09 Airtime: 12:27 PM Duration: 00:30
Revision: 9401 DALLAS CAN ACADEMY 1
Y-Yes, Revise It N-No, Don't Revise It Q-Quit Revisions!
11167-17 05:66 AM 02:36 :15 ONE EMOTION--BLACK, CLINT

Figure 3-62 UDS II Schedule Editor Revise Example— Action Prompt Window

- To revise this event and continue searching for more matching events, press Y.
- To leave this event unchanged and continue searching for more matching events, press N.
- To leave this event unchanged and stop searching immediately, press Q.

5. Continue answering Y or N until you have completed revising the events. Answer Q if you complete revising events before the search process reaches the end of the schedule.

   If you reach the end of the schedule and there are no more matching events, the UDS II Editor returns you to the main editing window at the position you began the Revise process with the starting event highlighted.

Utilities for the UDS II—UDS II Schedule Editor, continued

S (or J)—Swap (or Juggle)

The Swap (or Juggle) feature of the UDS II Schedule Editor swaps the locations of two events in the schedule. The Swap process is often useful if you need to juggle the commercials in a stop set to avoid same-voice conflicts or to switch two songs to avoid machine or other conflicts.

To use the Swap feature, follow the steps outlined below:

1. Use the ↑ and ↓ arrow keys to highlight one of the two events you want to swap.

   For example, you know that the "Ed's Sports Cards" and "Kowald Beef Jerky" commercials share the same announcer and you have noticed that they are scheduled back-to-back in the 1:08 p.m. stop set.

   Use the arrow keys to highlight the "Kowald Beef Jerky" spot.

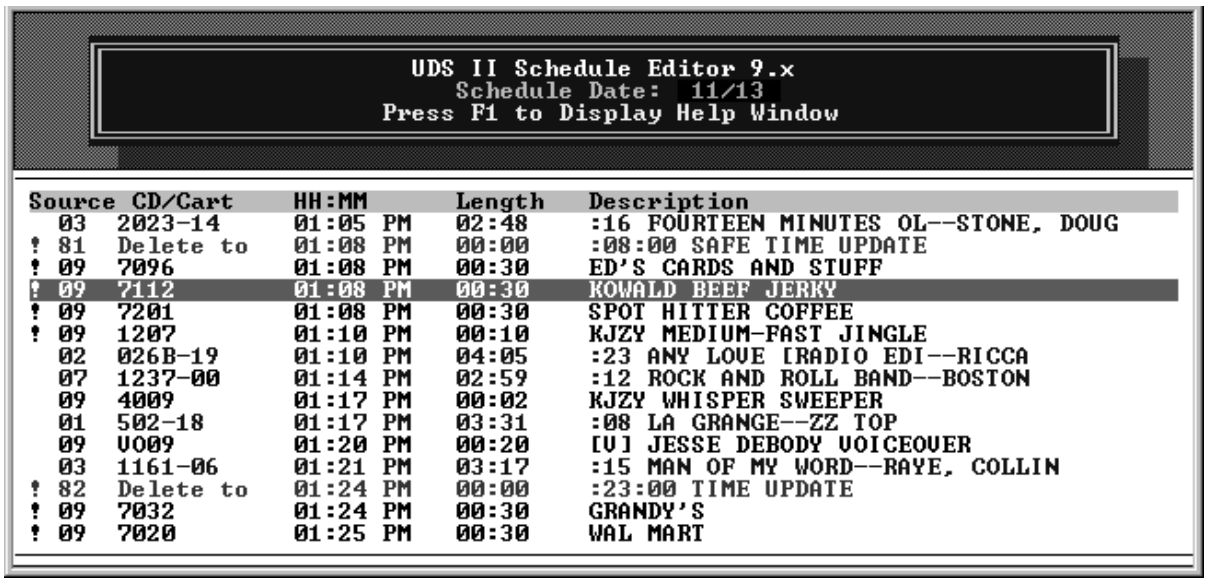
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
03 2023-14 01:05 PM 02:48 :16 FOURTEEN MINUTES OL--STONE, DOUG
! 81 Delete to 01:08 PM 00:00 :08:00 SAFE TIME UPDATE
! 09 7096 01:08 PM 00:30 ED'S CARDS AND STUFF
! 09 7112 01:08 PM 00:30 KOWALD BEEF JERKY
! 09 7201 01:08 PM 00:30 SPOT HITTER COFFEE
! 09 1207 01:10 PM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-19 01:10 PM 04:05 :23 ANY LOVE [RADIO EDI--RICCA
07 1237-00 01:14 PM 02:59 :12 ROCK AND ROLL BAND--BOSTON
09 4009 01:17 PM 00:02 KJZY WHISPER SWEEPER
01 502-18 01:17 PM 03:31 :08 LA GRANGE--ZZ TOP
09 VO09 01:20 PM 00:20 [V] JESSE DEBODY VOICEOVER
03 1161-06 01:21 PM 03:17 :15 MAN OF MY WORD--RAYE, COLLIN
! 82 Delete to 01:24 PM 00:00 :23:00 TIME UPDATE
! 09 7032 01:24 PM 00:30 GRANDY'S
! 09 7020 01:25 PM 00:30 WAL MART

Figure 3-63 UDS II Schedule Editor Swap Example— Pre-Swap

Utilities for the UDS II—UDS II Schedule Editor; Swap (Juggle), continued

2. Press S to begin the swap process. The highlighted event begins to blink and the text changes to black on a green background to indicate you are in the swap process.

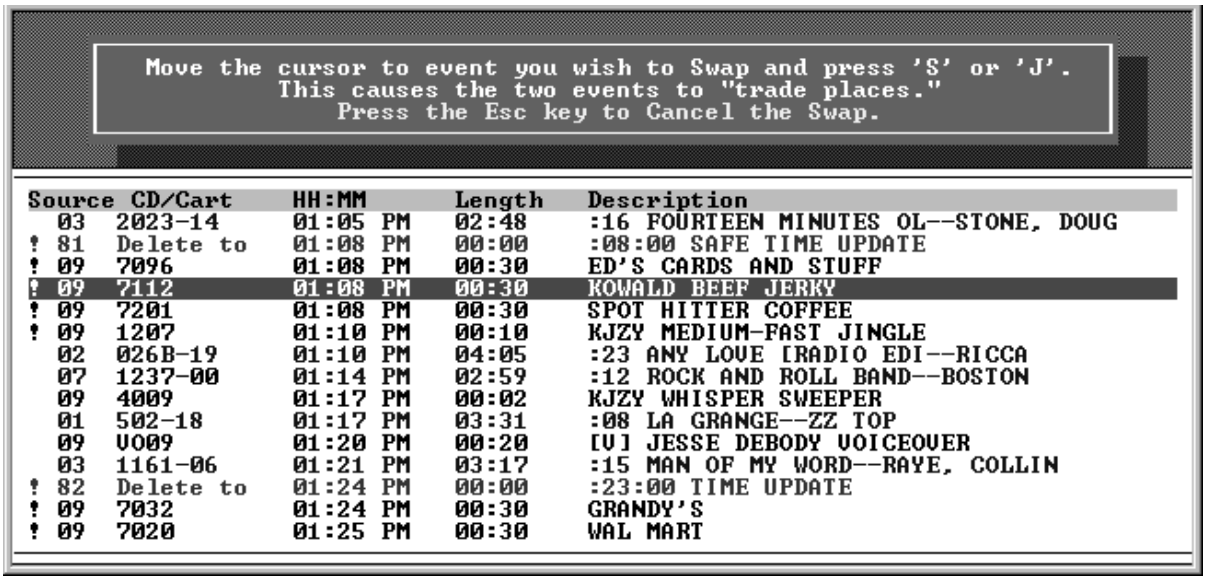
Move the cursor to event you wish to Swap and press 'S' or 'J'.
This causes the two events to "trade places."
Press the Esc key to Cancel the Swap.
Source CD/Cart HH:MM Length Description
03 2023-14 01:05 PM 02:48 :16 FOURTEEN MINUTES OL--STONE, DOUG
! 81 Delete to 01:08 PM 00:00 :08:00 SAFE TIME UPDATE
! 09 7096 01:08 PM 00:30 ED'S CARDS AND STUFF
! 09 7112 01:08 PM 00:30 KOWALD BEEF JERKY
! 09 7201 01:08 PM 00:30 SPOT HITTER COFFEE
! 09 1207 01:10 PM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-19 01:10 PM 04:05 :23 ANY LOVE [RADIO EDI--RICCA
07 1237-00 01:14 PM 02:59 :12 ROCK AND ROLL BAND--BOSTON
09 4009 01:17 PM 00:02 KJZY WHISPER SWEEPER
01 502-18 01:17 PM 03:31 :08 LA GRANGE--ZZ TOP
09 VO09 01:20 PM 00:20 [V] JESSE DEBODY VOICEOVER
03 1161-06 01:21 PM 03:17 :15 MAN OF MY WORD--RAYE, COLLIN
! 82 Delete to 01:24 PM 00:00 :23:00 TIME UPDATE
! 09 7032 01:24 PM 00:30 GRANDY'S
! 09 7020 01:25 PM 00:30 WAL MART

Figure 3-64 UDS II Schedule Editor Swap Example—First Highlight

3. Now, use the ↑ and ↓ arrow keys to highlight the second event you want to swap.

   For this example, press ↓ once to highlight the "Spot Hitter Coffee" commercial.

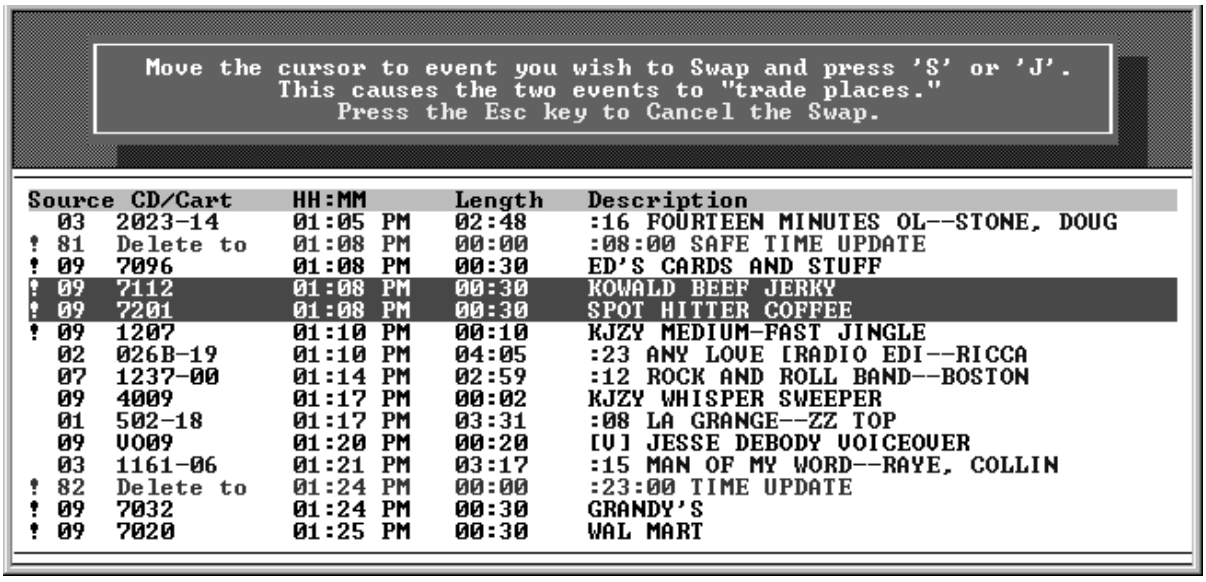
Move the cursor to event you wish to Swap and press 'S' or 'J'.
This causes the two events to "trade places."
Press the Esc key to Cancel the Swap.
Source CD/Cart HH:MM Length Description
03 2023-14 01:05 PM 02:48 :16 FOURTEEN MINUTES OL--STONE, DOUG
! 81 Delete to 01:08 PM 00:00 :08:00 SAFE TIME UPDATE
! 09 7096 01:08 PM 00:30 ED'S CARDS AND STUFF
! 09 7112 01:08 PM 00:30 KOWALD BEEF JERKY
! 09 7201 01:08 PM 00:30 SPOT HITTER COFFEE
! 09 1207 01:10 PM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-19 01:10 PM 04:05 :23 ANY LOVE [RADIO EDI--RICCA
07 1237-00 01:14 PM 02:59 :12 ROCK AND ROLL BAND--BOSTON
09 4009 01:17 PM 00:02 KJZY WHISPER SWEEPER
01 502-18 01:17 PM 03:31 :08 LA GRANGE--ZZ TOP
09 VO09 01:20 PM 00:20 [V] JESSE DEBODY VOICEOVER
03 1161-06 01:21 PM 03:17 :15 MAN OF MY WORD--RAYE, COLLIN
! 82 Delete to 01:24 PM 00:00 :23:00 TIME UPDATE
! 09 7032 01:24 PM 00:30 GRANDY'S
! 09 7020 01:25 PM 00:30 WAL MART

Figure 3-65 UDS II Schedule Editor Swap Example—Second Highlight

Utilities for the UDS II—UDS II Schedule Editor; Swap (Juggle), continued

4. Press S again to complete the Swap process. The two events swap places in the schedule.

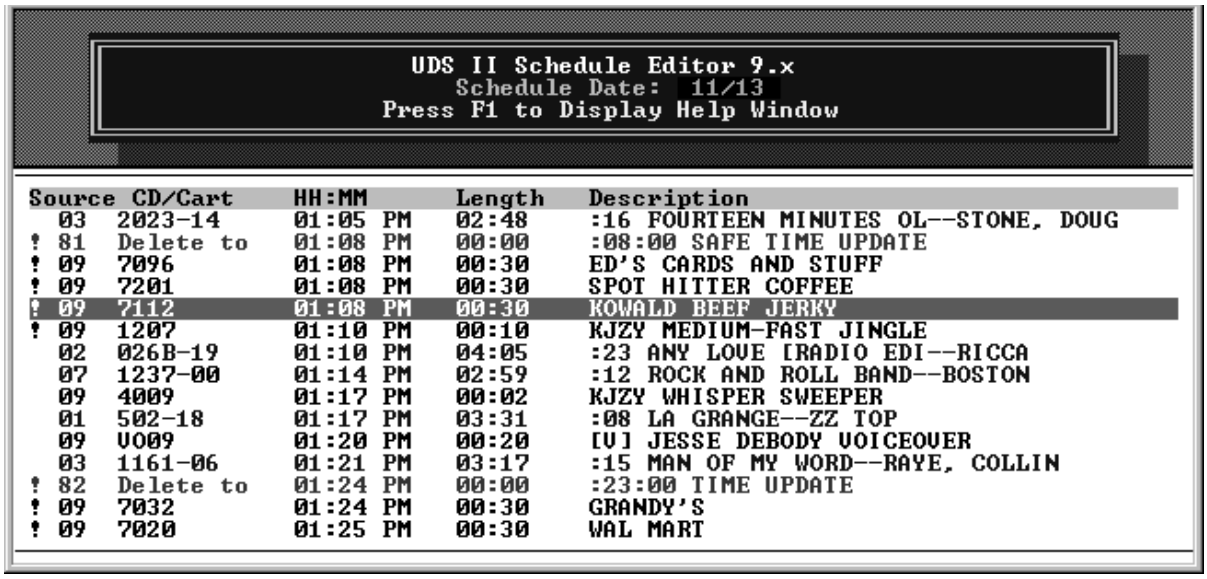
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
03 2023-14 01:05 PM 02:48 :16 FOURTEEN MINUTES OL--STONE, DOUG
! 81 Delete to 01:08 PM 00:00 :08:00 SAFE TIME UPDATE
! 09 7096 01:08 PM 00:30 ED'S CARDS AND STUFF
! 09 7201 01:08 PM 00:30 SPOT HITTER COFFEE
! 09 7112 01:08 PM 00:30 KOWALD BEEF JERKY
! 09 1207 01:10 PM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-19 01:10 PM 04:05 :23 ANY LOVE [RADIO EDI--RICCA
07 1237-00 01:14 PM 02:59 :12 ROCK AND ROLL BAND--BOSTON
09 4009 01:17 PM 00:02 KJZY WHISPER SWEEPER
01 502-18 01:17 PM 03:31 :08 LA GRANGE--ZZ TOP
09 V009 01:20 PM 00:20 [V] JESSE DEBODY VOICEOVER
03 1161-06 01:21 PM 03:17 :15 MAN OF MY WORD--RAYE, COLLIN
! 82 Delete to 01:24 PM 00:00 :23:00 TIME UPDATE
! 09 7032 01:24 PM 00:30 GRANDY'S
! 09 7020 01:25 PM 00:30 WAL MART

Figure 3-66 UDS II Schedule Editor Swap Example— Swap Completed

To abort the swap, press ESC at any time *before* you press S for the second time.

The start time for each swapped event will be re-calculated based on its new position in the schedule.

Utilities for the UDS II—UDS II Schedule Editor, continued

T—Time Recalculate

The Time Recalculate feature of the UDS II Schedule Editor updates the scheduled start time for every event in the schedule. The Time Recalculate process is based on the run time for each event and the accumulated time in each hour—with the hour starting at :00. This feature is useful for quickly determining the correct approximate start time for an event after a number of events have been deleted, inserted, moved, or swapped in the schedule.

IMPORTANT! Exiting the UDS II Editor and saving any changes will automatically re-calculate the start times using this method, unless you have configured the Editor to do otherwise.

📖 Read *Customizing the Utilities* starting on page 3-52 for details on how to prevent automatic time re-calculation.

Look at the scheduled start times in the example below. Note that the start times do not make sense when compared to the approximate run times for each event in the hour. The Time Recalculate process corrects this problem.

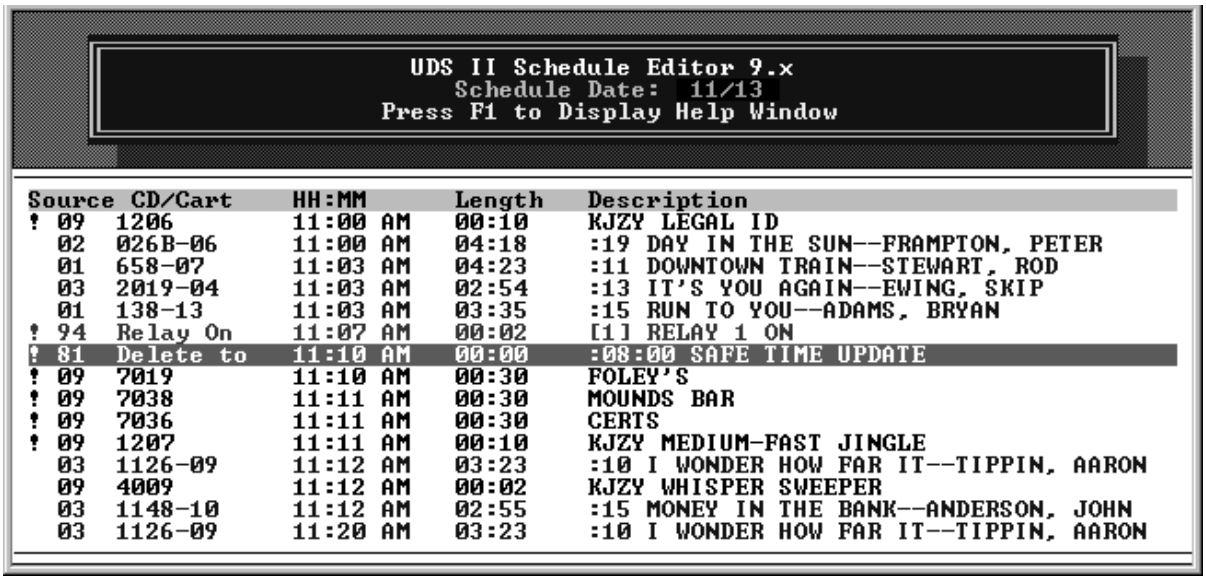
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
! 09 1206 11:00 AM 00:10 KJZY LEGAL ID
02 026B-06 11:00 AM 04:18 :19 DAY IN THE SUN--FRAMPTON, PETER
01 658-07 11:03 AM 04:23 :11 DOWNTOWN TRAIN--STEWART, ROD
03 2019-04 11:03 AM 02:54 :13 IT'S YOU AGAIN--EWING, SKIP
01 138-13 11:03 AM 03:35 :15 RUN TO YOU--ADAMS, BRYAN
! 94 Relay On 11:07 AM 00:02 [1] RELAY 1 ON
! 81 Delete to 11:10 AM 00:00 :08:00 SAFE TIME UPDATE
! 09 7019 11:10 AM 00:30 FOLEY'S
! 09 7038 11:11 AM 00:30 MOUNDS BAR
! 09 7036 11:11 AM 00:30 CERTS
! 09 1207 11:11 AM 00:10 KJZY MEDIUM-FAST JINGLE
03 1126-09 11:12 AM 03:23 :10 I WONDER HOW FAR IT--TIPPIN, AARON
09 4009 11:12 AM 00:02 KJZY WHISPER SWEEPER
03 1148-10 11:12 AM 02:55 :15 MONEY IN THE BANK--ANDERSON, JOHN
03 1126-09 11:20 AM 03:23 :10 I WONDER HOW FAR IT--TIPPIN, AARON

Figure 3-67 UDS II Schedule Editor Time Recalculate Example— Pre-Recalculation

1. Press T to begin the Time Recalculate process.

Utilities for the UDS II—UDS II Schedule Editor; Time Recalculate, continued

2. The UDS II Editor prompts you to confirm that you wish to update the scheduled start times for every event in the schedule.

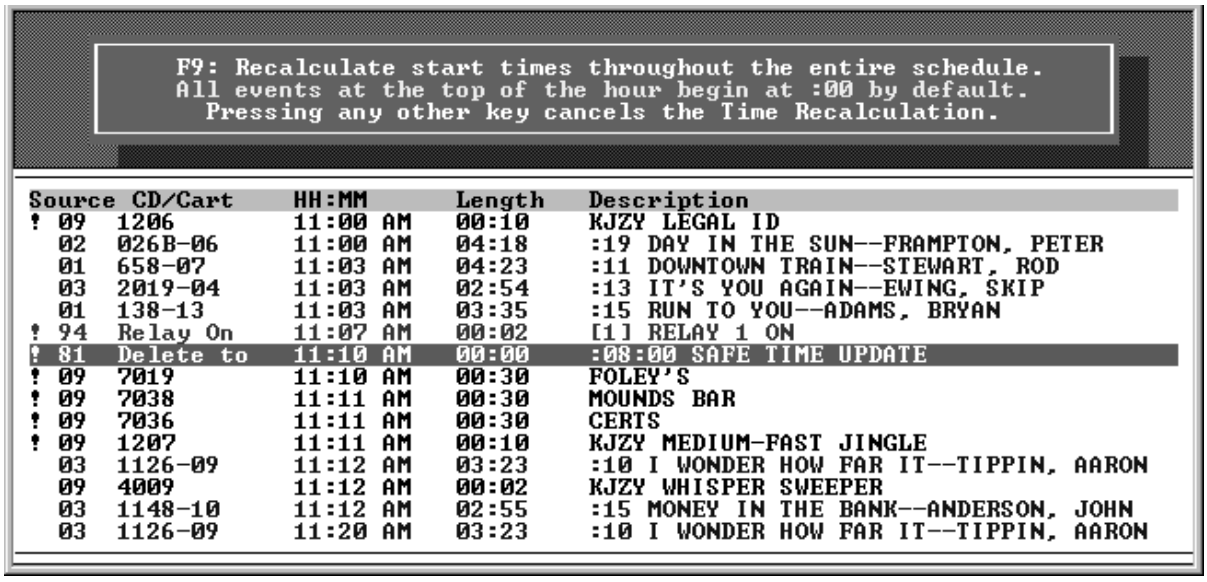
F9: Recalculate start times throughout the entire schedule.
All events at the top of the hour begin at :00 by default.
Pressing any other key cancels the Time Recalculation.
Source CD/Cart HH:MM Length Description
! 09 1206 11:00 AM 00:10 KJZY LEGAL ID
02 026B-06 11:00 AM 04:18 :19 DAY IN THE SUN--FRAMPTON, PETER
01 658-07 11:03 AM 04:23 :11 DOWNTOWN TRAIN--STEWART, ROD
03 2019-04 11:03 AM 02:54 :13 IT'S YOU AGAIN--EWING, SKIP
01 138-13 11:03 AM 03:35 :15 RUN TO YOU--ADAMS, BRYAN
! 94 Relay On 11:07 AM 00:02 [1] RELAY 1 ON
! 81 Delete to 11:10 AM 00:00 :08:00 SAFE TIME UPDATE
! 09 7019 11:10 AM 00:30 FOLEY'S
! 09 7038 11:11 AM 00:30 MOUNDS BAR
! 09 7036 11:11 AM 00:30 CERTS
! 09 1207 11:11 AM 00:10 KJZY MEDIUM-FAST JINGLE
03 1126-09 11:12 AM 03:23 :10 I WONDER HOW FAR IT--TIPPIN, AARON
09 4009 11:12 AM 00:02 KJZY WHISPER SWEEPER
03 1148-10 11:12 AM 02:55 :15 MONEY IN THE BANK--ANDERSON, JOHN
03 1126-09 11:20 AM 03:23 :10 I WONDER HOW FAR IT--TIPPIN, AARON

Figure 3-68 UDS II Schedule Editor Time Recalculate Example— Confirmation

3. Press F9 to confirm this action. Pressing any other key cancels the time re-calculation.

   Please note in the example below, that the scheduled start times for each event in the schedule now agree with the approximate run times for each event.

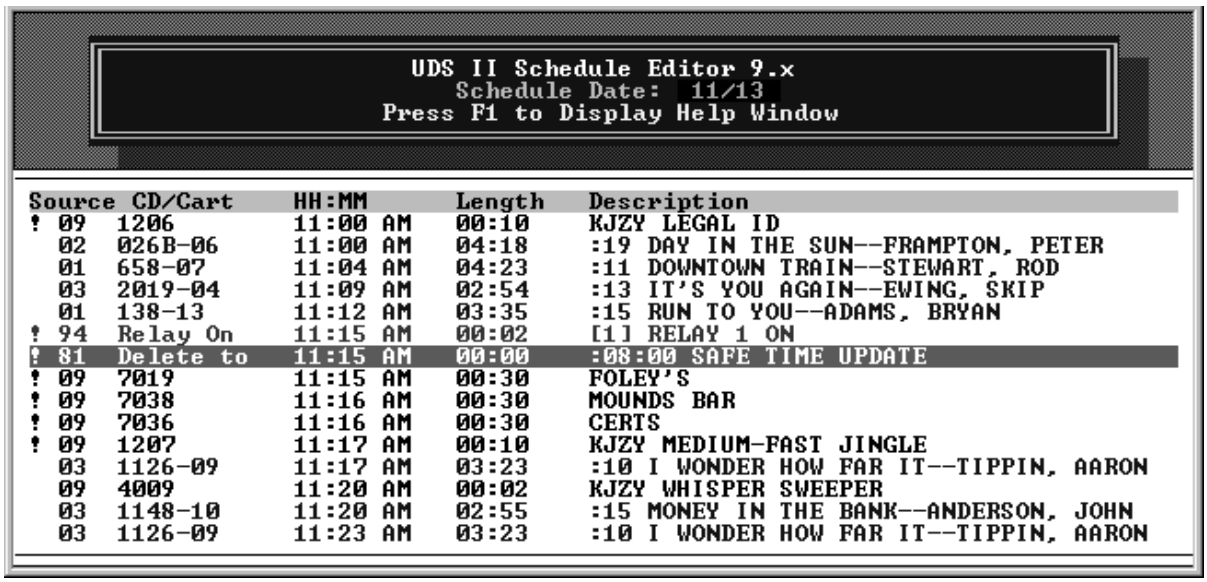
UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
! 09 1206 11:00 AM 00:10 KJZY LEGAL ID
02 026B-06 11:00 AM 04:18 :19 DAY IN THE SUN--FRAMPTON, PETER
01 658-07 11:04 AM 04:23 :11 DOWNTOWN TRAIN--STEWART, ROD
03 2019-04 11:09 AM 02:54 :13 IT'S YOU AGAIN--EWING, SKIP
01 138-13 11:12 AM 03:35 :15 RUN TO YOU--ADAMS, BRYAN
! 94 Relay On 11:15 AM 00:02 [1] RELAY 1 ON
! 81 Delete to 11:15 AM 00:00 :08:00 SAFE TIME UPDATE
! 09 7019 11:15 AM 00:30 FOLEY'S
! 09 7038 11:16 AM 00:30 MOUNDS BAR
! 09 7036 11:16 AM 00:30 CERTS
! 09 1207 11:17 AM 00:10 KJZY MEDIUM-FAST JINGLE
03 1126-09 11:17 AM 03:23 :10 I WONDER HOW FAR IT--TIPPIN, AARON
09 4009 11:20 AM 00:02 KJZY WHISPER SWEEPER
03 1148-10 11:20 AM 02:55 :15 MONEY IN THE BANK--ANDERSON, JOHN
03 1126-09 11:23 AM 03:23 :10 I WONDER HOW FAR IT--TIPPIN, AARON

Figure 3-69 UDS II Schedule Editor Time Recalculate Example— Completed

Utilities for the UDS II—UDS II Schedule Editor, continued

ALT F10—Digital Audio Cart Pick List Configuration

The Digital Audio Cart Pick List Configuration feature of the UDS II Schedule Editor allows you to determine which frequently used digital audio events can be inserted into the schedule using the List or Grab features.

You may catalog up to 30 different digital audio events for insertion into the schedule.

1. From the main editing screen, press ALT F10. The UDS II Editor Pick List Configuration window appears.

2. The cursor will be in the first column of the first line. To add a new digital audio event to the list, use the ↑ or ↓ arrow keys to move the cursor to a blank line. To edit a digital audio event, use the ↑ or ↓ arrow keys to move the cursor to the event you wish to edit.

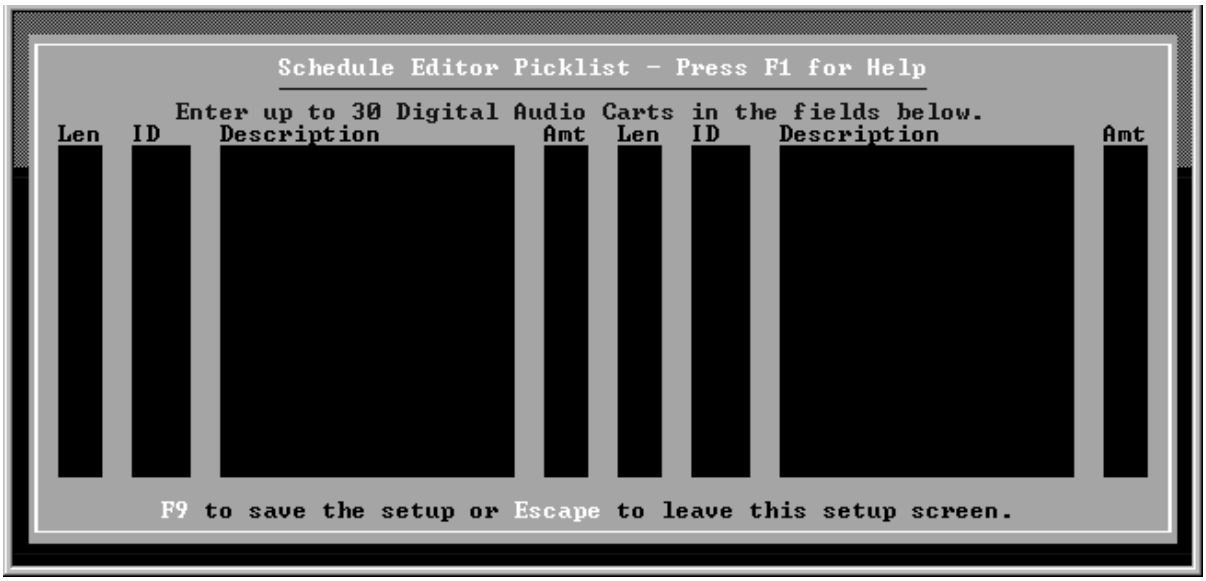
Schedule Editor Picklist - Press F1 for Help
Enter up to 30 Digital Audio Carts in the fields below.
Len ID Description Amt Len ID Description Amt
F9 to save the setup or Escape to leave this setup screen.

Figure 3-70 UDS II Schedule Editor Pick List Configuration Example— New List

Utilities for the UDS II—UDS II Schedule Editor; Digital Audio Cart Pick List, continued

3. Enter the event's length in seconds, four-character cart number, and a brief description of the event. All three of these fields must be entered in order for the event to be a valid pick list item.

   - The length must be greater than zero seconds.
   - The four-character cart number must be precisely four characters.
   - You can not leave the description field blank.

   If the event you enter does not meet these basic requirements, it will not be available for either the List or Grab features.

   Use the tab or ENTER key to move from field to field.

4. Repeat steps two and three until you have added/edited all the events you desire.

   To replace an event you no longer need, type the information for the new event over the old event. A pick list element can be deleted outright by changing the length field to 0 (zero) and then saving the updated pick list by pressing F9.

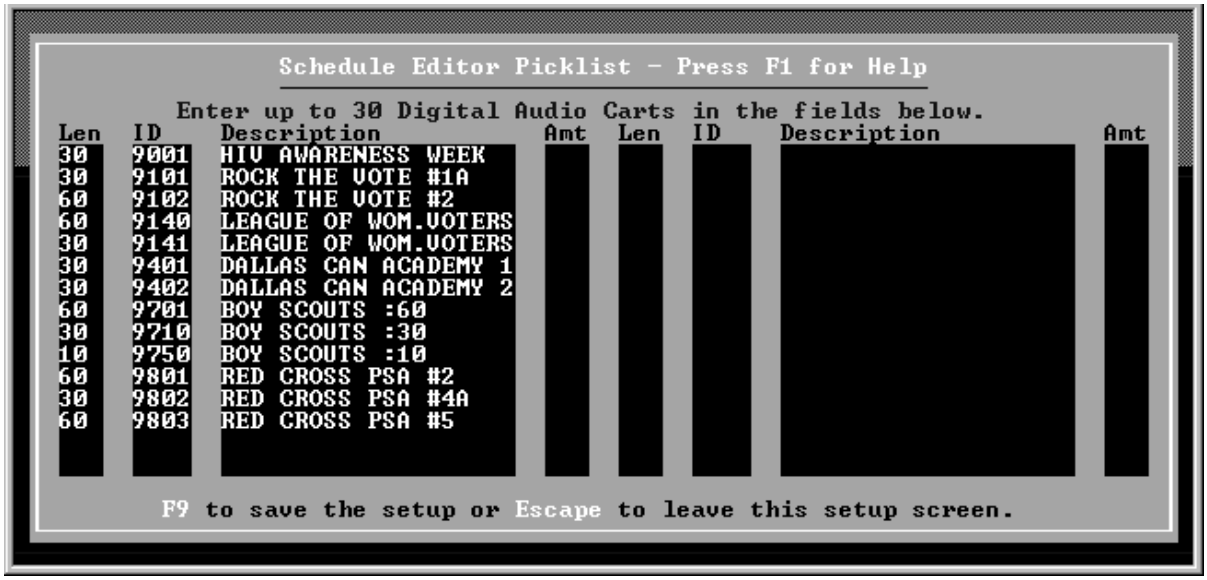
Schedule Editor Picklist - Press F1 for Help
Enter up to 30 Digital Audio Carts in the fields below.
Len ID Description Amt Len ID Description Amt
30 9001 HIV AWARENESS WEEK
30 9101 ROCK THE VOTE #1A
60 9102 ROCK THE VOTE #2
60 9140 LEAGUE OF WOM.VOTERS
30 9141 LEAGUE OF WOM.VOTERS
30 9401 DALLAS CAN ACADEMY 1
30 9402 DALLAS CAN ACADEMY 2
60 9701 BOY SCOUTS :60
30 9710 BOY SCOUTS :30
10 9750 BOY SCOUTS :10
60 9801 RED CROSS PSA #2
30 9802 RED CROSS PSA #4A
60 9803 RED CROSS PSA #5
F9 to save the setup or Escape to leave this setup screen.

Figure 3-71 UDS II Schedule Editor Pick List Configuration Example—Sample List

5. Press F9 to save the list for later use.

The `Amt` field shows how many times each event has been used by the Grab or List features.

Utilities for the UDS II—UDS II Schedule Editor, continued

Fixing Common UDS II Editor Errors

- `There's a problem with this computer: Memory too low! You need 348kb free but have only <x> kb free!`

  Where <x> kb is the amount of RAM available. You may be running the Utilities from inside a DOS shell, or some other program still resides in memory.

  Exit all software to the DOS prompt and type E X I T ENTER. If that does not bring up some other program, reboot the computer and run the Utilities again.

- `There's a problem with this computer: Insufficient disk space! You have <x> kb free but need to have <y> kb available.`

  Where <x> kb is the amount of disk space available and <y> kb is the amount of disk space the program requires to run. The UDS II Schedule Editor needs a certain amount of disk space for temporary files while editing.

  Delete unneeded non-Utilities related files.

- `File Related Error: <message>`

  Where <message> is the computer's technical description of the error, including the name of the file involved. The file either cannot be found or access to the file was denied by the network.

  Make sure the file exists and is not in use by another user.

- `A variable is outside of its normal range: <name of variable>`

  The schedule file has been corrupted, the date is not correct, or a single event is longer than 100 minutes.

  Check the schedule to make sure each event is less than 100 minutes long. Try recreating the UDS II-compatible music schedule from Powergold 2000's Automation Files window.

Utilities for the UDS II, continued

T Transfer Completed Schedule

After a schedule has been created, checked, merged, rechecked, edited, and rechecked, it is ready to be loaded into the Ultimate Digital Studio II. To get the schedule from here (on the music scheduling computer) to there (the UDS II control computer), you must *transfer* the schedule to a diskette or network subdirectory.

Important: Some users make use of a local-area computer network to transfer schedules. These users must transfer their schedules to a special subdirectory on the UDS II control computer. The Transfer utility must also be configured to run on a local-area network.

📖 Read more about using a local area network in *Customizing the Utilities* starting on page 3-52 and *Using Networks with UDS II* in Appendix A of this manual.

➪ To transfer these files via a *diskette*, follow these steps:

1. From the Utilities menu, press T to select Transfer Completed Schedule.

   A screen appears showing the starting and ending dates and times for the current UDS II schedule.

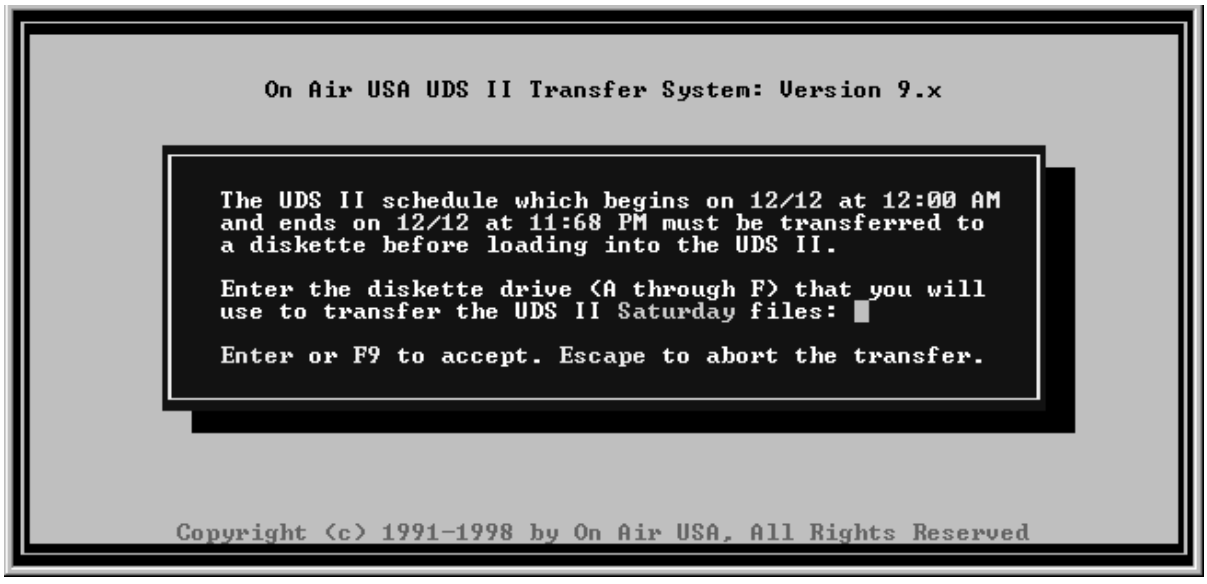
On Air USA UDS II Transfer System: Version 9.x
The UDS II schedule which begins on 12/12 at 12:00 AM
and ends on 12/12 at 11:68 PM must be transferred to
a diskette before loading into the UDS II.
Enter the diskette drive (A through F) that you will
use to transfer the UDS II Saturday files:
Enter or F9 to accept. Escape to abort the transfer.
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-72 Transfer Completed Schedule via Diskette— Drive Selection

Utilities for the UDS II—Transfer Completed Schedule, continued

2. Check the starting and ending dates and times for the current UDS II schedule.

   ➪ If the start and end dates and times are correct, type the drive letter for the diskette you are using to transfer the schedule.

   For example, if the schedule transfer diskette is in the B: drive, type B ENTER .

   ➪ If the start and end dates and times are not correct, abort the transfer process by pressing ESC . Create, check, and merge the correct day's log before trying the Transfer utility again.

3. The Transfer utility displays names of the files and the number of bytes being copied to the transfer diskette.

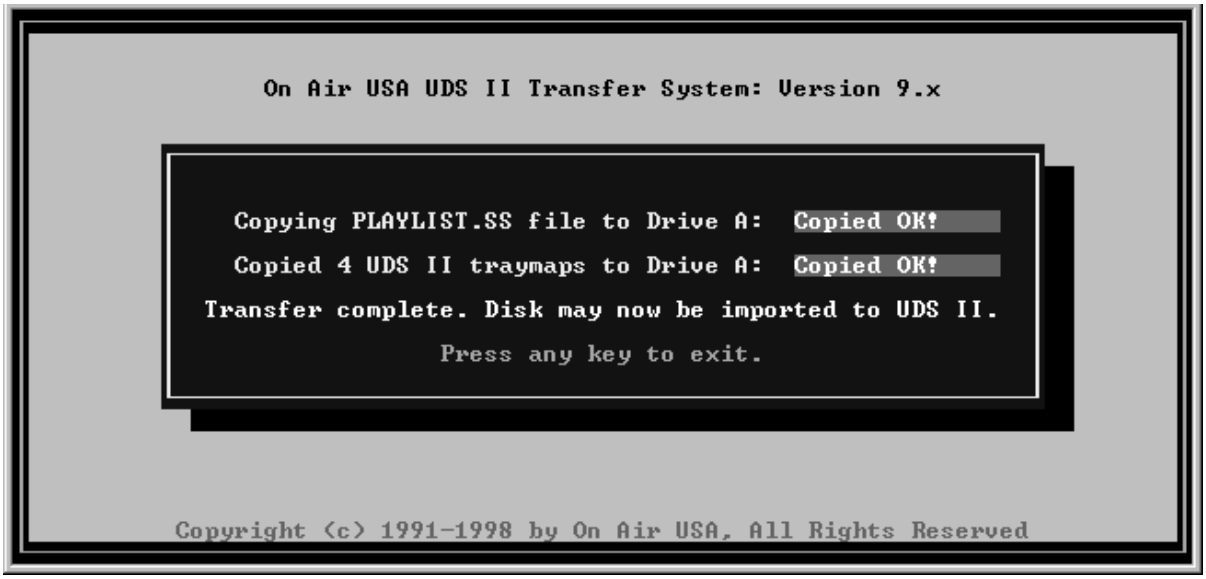
On Air USA UDS II Transfer System: Version 9.x
Copying PLAYLIST.SS file to Drive A: Copied OK!
Copied 4 UDS II traymaps to Drive A: Copied OK!
Transfer complete. Disk may now be imported to UDS II.
Press any key to exit.
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-73 Transfer Completed Schedule via Diskette—Completed

When the Transfer utility displays a message stating that the transfer is complete, you may import the files into the UDS II.

Utilities for the UDS II—Transfer Completed Schedule, continued

➪ To transfer these files via a *local-area network*, follow these steps:

1. From the Utilities menu, press T to select Transfer Completed Schedule.

   A screen appears showing the starting and ending dates and times for the current UDS II schedule.

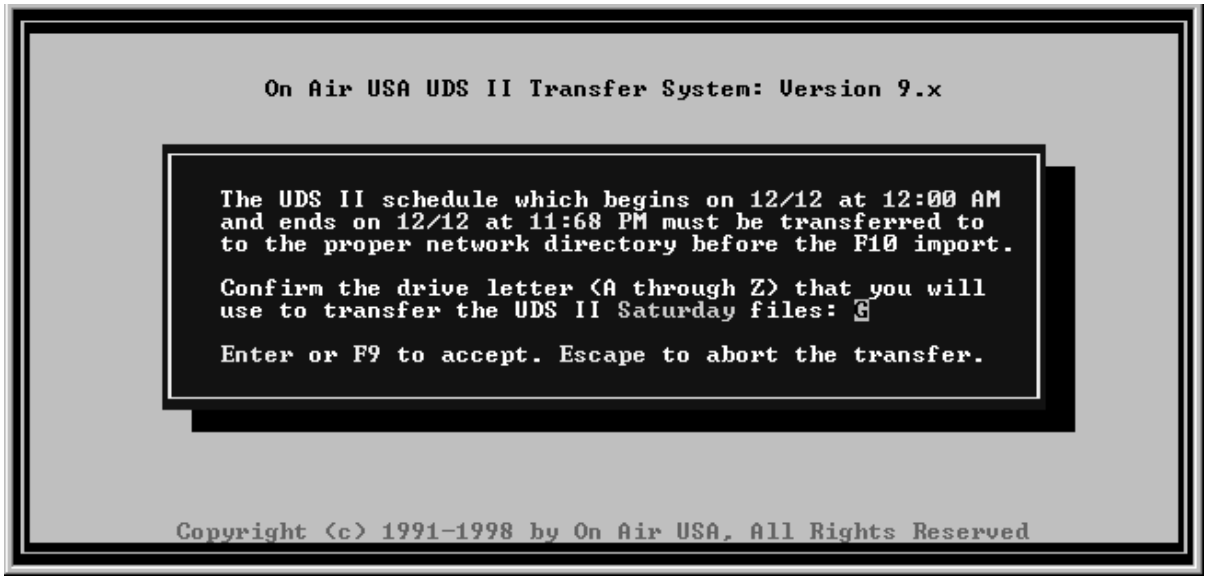
On Air USA UDS II Transfer System: Version 9.x
The UDS II schedule which begins on 12/12 at 12:00 AM
and ends on 12/12 at 11:68 PM must be transferred to
to the proper network directory before the F10 import.
Confirm the drive letter (A through Z) that you will
use to transfer the UDS II Saturday files: G
Enter or F9 to accept. Escape to abort the transfer.
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-74 Transfer Completed Schedule via Local-Area Network— Drive Selection

2. Check the starting and ending dates and times for the current UDS II schedule.

   ➪ If the start and end dates and times are correct, type the drive letter for the diskette you are using to transfer the schedule.

   For example, if the destination drive on the local-area network is drive G:, type G ENTER .

Important: If you are transferring the schedule across a local-area network, your Powergold 2000 computer *must* be logged on to the network before attempting the data transfer. Check with your network administrator to be sure that you have rights to both write and create files in the target subdirectory on the UDS II control computer.

   ➪ If the start and end dates and times are not correct, abort the transfer process by pressing ESC . Create, check, and merge the correct day's log before trying the Transfer utility again.

Utilities for the UDS II—Transfer Completed Schedule, continued

3. The Transfer utility displays the destination path you configured for these files.

   ➪ If this path is correct, press ENTER or F9 to proceed with the transfer process.

   ➪ If this path is *not* correct, type the correct path statement then press ENTER or F9 to proceed with the transfer process. After the transfer process is complete, you should check the configuration for this item and, if necessary, correct it.

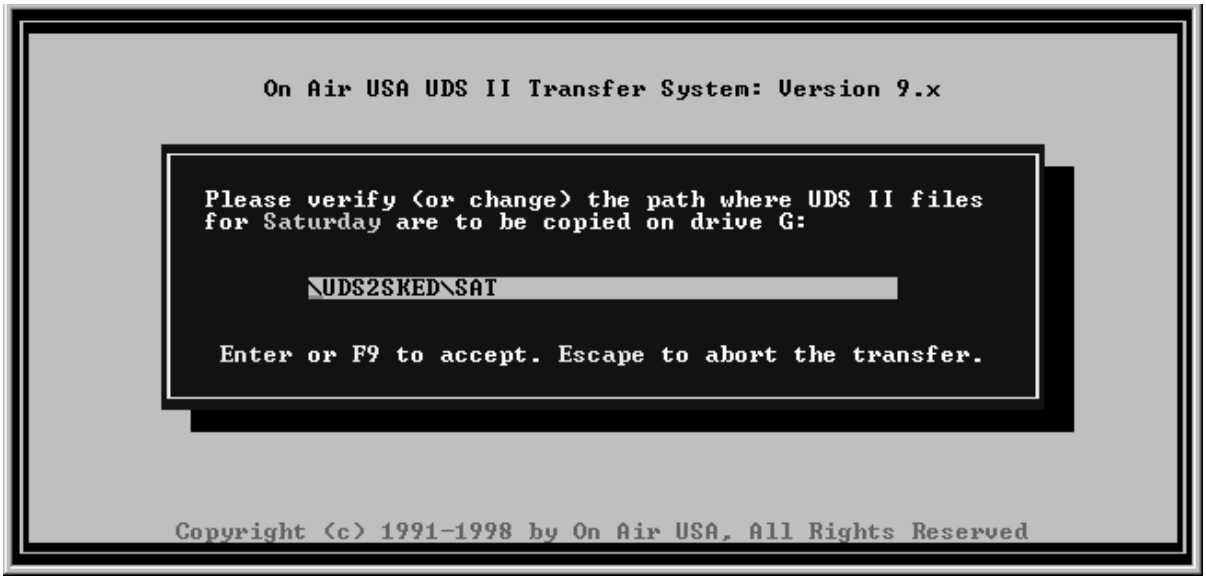
On Air USA UDS II Transfer System: Version 9.x
Please verify (or change) the path where UDS II files for Saturday are to be copied on drive G:
\UDS2SKED\SAT
Enter or F9 to accept. Escape to abort the transfer.
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-75 Transfer Completed Schedule via Local-Area Network—Path Selection

Utilities for the UDS II—Transfer Completed Schedule, continued

4. The Transfer utility displays names of the files and the number of bytes being copied to the destination on the local-area network.

On Air USA UDS II Transfer System: Version 9.x
Copying PLAYLIST.SS file to Drive F: Copied OK!
Copied 4 UDS II traymaps to Drive F: Copied OK!
Transfer complete. Ready for import by UDS II.
Press any key to exit.
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-76 Transfer Completed Schedule via Local-Area Network—Completed

When the computer displays a message stating that the transfer is complete, you may import these files into the UDS II.

Utilities for the UDS II—Transfer Completed Schedule, continued

The Files Transferred by Transfer

➪ `PLAYLIST.SS`

This file contains the complete event-by-event list of everything that will play or occur on the UDS II for one day.

➪ `TRAYMAP.XXX`

These files each contain a map of the location of each disc in the CD changer whose UDS II source number is represented by `XXX`.

➪ `NEWADDS.DB`

This file contains significant changes, deletions, or additions to songs made in the Powergold 2000 music library.

📖 See *New Adds—Verify UDS II Music Adds, Changes and Deletes* beginning on page 3-91 for details on the New Adds process and how to view recent New Adds files.

If any of these files already exist on the target disk, they will be overwritten by the Transfer process. This allows you to repeatedly use a single diskette for transfers. However, if you must transfer schedules via diskette, On Air Digital recommends that you use one diskette for each day of the week. This allows you to keep recent schedules available for re-loading.

IMPORTANT! Because the NEWADDS.DB file on the target disk is overwritten each time you transfer the schedule files, it is possible to lose music library changes. The scenario is as follows:

1. A Transfer occurs and the resultant files are *not* loaded into UDS II.
2. Additional changes are made to the Powergold 2000 music library.
3. The Transfer program is run a second time and the newly created NEWADDS.DB file is copied to the transfer disk, overwriting the first NEWADDS.DB file.

Only the data from the *most recent* NEWADDS.DB file is read by the UDS II when the schedule is imported. After you transfer a schedule, *always* import that schedule into the UDS II. Each time you import the schedule, the UDS II reads the NEWADDS.DB file as well as the schedule files. If you are not pleased with the schedule for some reason, you may continue to re-import subsequent schedules into the UDS II. Each new import overwrites the previous instance of that schedule file but does not undo changes to the music library. By always importing your schedule you will not risk losing any music library changes.

Utilities for the UDS II—Transfer Completed Schedule, continued

Fixing Common Transfer Errors

➪ `This is an UNMERGED schedule!`

You are attempting to transfer a music schedule that has not been merged with a traffic log. The schedule may contain special items, such as rotating breaknotes, that must be processed by the Merge program to function normally.

Press ENTER to continue with the Transfer process only if this schedule contains nothing but music. Otherwise, press ESC to return to the Utilities menu.

➪ `No diskette in Drive X:`

There is no diskette in the drive indicated (represented here by `X`) in the error message.

Insert a diskette, or make sure the diskette is seated properly in the drive.

➪ `Unable to transfer files, not enough room on Drive X:`

There is not enough space on the transfer disk to hold the UDS II schedule files.

Exit to DOS and delete any files currently residing on the transfer disk. If the disk is blank and there is still not enough room, try a higher capacity disk.

➪ `Drive X: is invalid.`

You specified a disk drive (represented here by `X`) that does not exist.

Try a drive letter for an available drive. You may need to log onto the local-area network if you are attempting to transfer to the network drive.

➪ `DOS Critical Error: Drive X:`

There are read/write problems with the diskette target (represented here by `X`).

First, make sure there *is* a diskette in the drive. If there *was* a diskette in the slot, reformat the diskette and try the transfer again. If that fails, discard the diskette and try a new one. If the error persists, the diskette drive itself may be at fault. Reboot the computer, check the CMOS settings and retry the transfer. If these suggestions do not fix the problem, check with your local computer expert to examine the diskette drive.

If a DOS critical error message occurs while using a network drive, check with your system administrator to ensure that the access rights do indeed permit both write and create permissions for the target network subdirectory.

Utilities for the UDS II, continued

Revise or Review Tray Maps

The Tray Map program stores the location of each compact disc in the UDS II music library. UDS II looks for each CD based upon the information in these tray maps.

For information on configuring or reconfiguring the Tray Maps utility, see *Tray Map Configuration* on page 3-52 of this chapter.

Using Tray Maps

1. From the Utilities main menu, press R to select Revise or Review Tray Maps.

   The Tray Map System window opens and prompts you for a CD player source number.

On Air USA UDS II Tray Map System: Version 9.x
This program maintains your tray map files which tell
UDS II where it can find all of the CDs in your system.
Enter the CD Player Source number in the field below:
Enter or F9 to proceed. Escape to quit this program.
Press F5 to print a Tray Map Summary.
Press Alt-F10 to Configure Tray Maps
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-77 Tray Map System Source Selection Window

Important: If you are assigning CDs to dual-player CD changers you may enter the CD IDs in the *lower-numbered* CD source *only*. The Tray Maps program automatically creates the tray map for the second, higher-numbered source as an exact "mirror image" of the first. You will receive an error message if you try to update the higher source.

For example, if sources 01 and 02 are assigned to a Sony CDK-3600 CD changer with two players, the tray map for source 02 is a "mirror image" of the tray map you enter for source 01. You will receive an error message if you try to update source 02 directly, since it is the higher-numbered, mirrored source number.

Utilities for the UDS II—Revise or Review Tray Maps; Using Tray Maps, continued

2. Type the appropriate CD player source number for the CD tray map you wish to create or edit and press ENTER or F2.

   The Tray Map utility displays a screen showing the slots for the requested CD player. The pages that follow show the screens that the Tray Map utility displays when various CD changer models are selected in the source selection window.

   ➪ If you entered a source number corresponding to a Sony CDK-006 CD player, the Tray Map utility displays slot numbers 1 through 60, inclusive. These slot numbers correspond to the numbered slots in the tray.

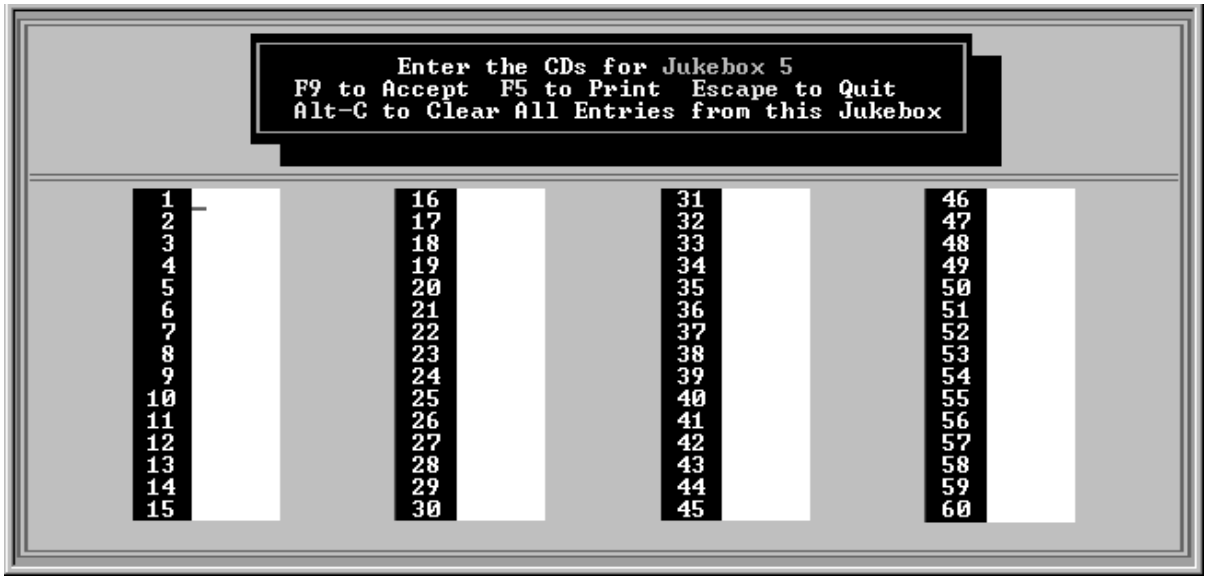

Figure 3-78 Tray Map Slots for a Sony CDK-006

Utilities for the UDS II—Revise or Review Tray Maps; Using Tray Maps, continued

➪ If you entered a source number corresponding to an NSM 3101AC CD changer, the Tray Map utility displays slot numbers 1 through 100, inclusive. These slot numbers correspond to the numbered slots in the tray.

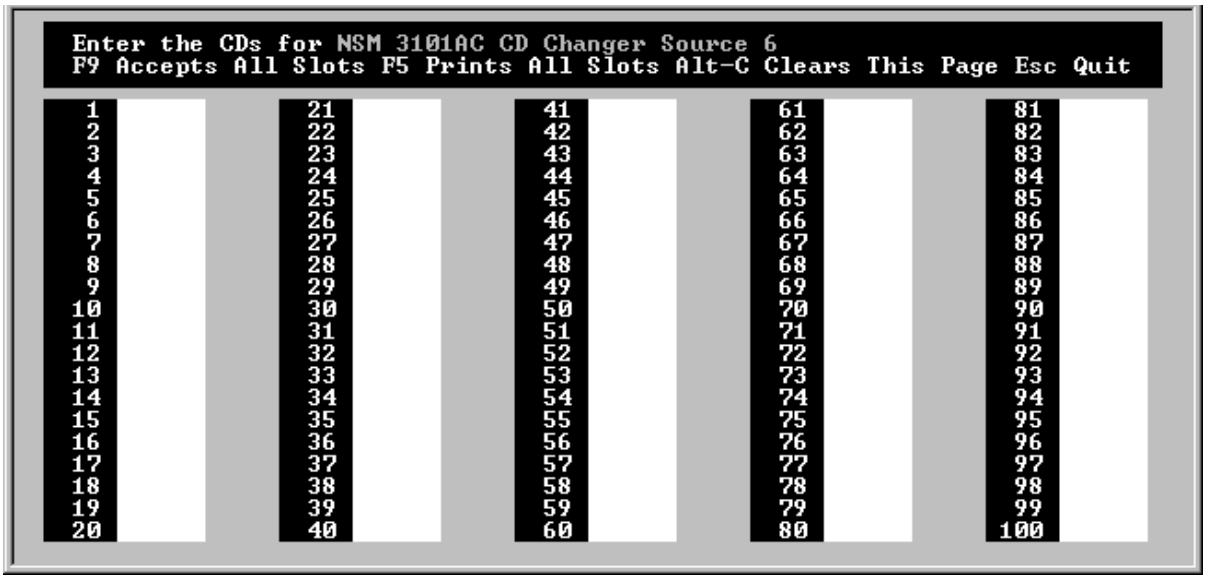

Figure 3-79 Tray Map Slots for an NSM 3101AC

➪ If you entered a source number for a Sony CDK-3600 CD player, the utility displays slot numbers 1 through 360 across three pages. The first shows slots 1 through 120, inclusive. Use the PG DN and PG UP keys to move from page to page.

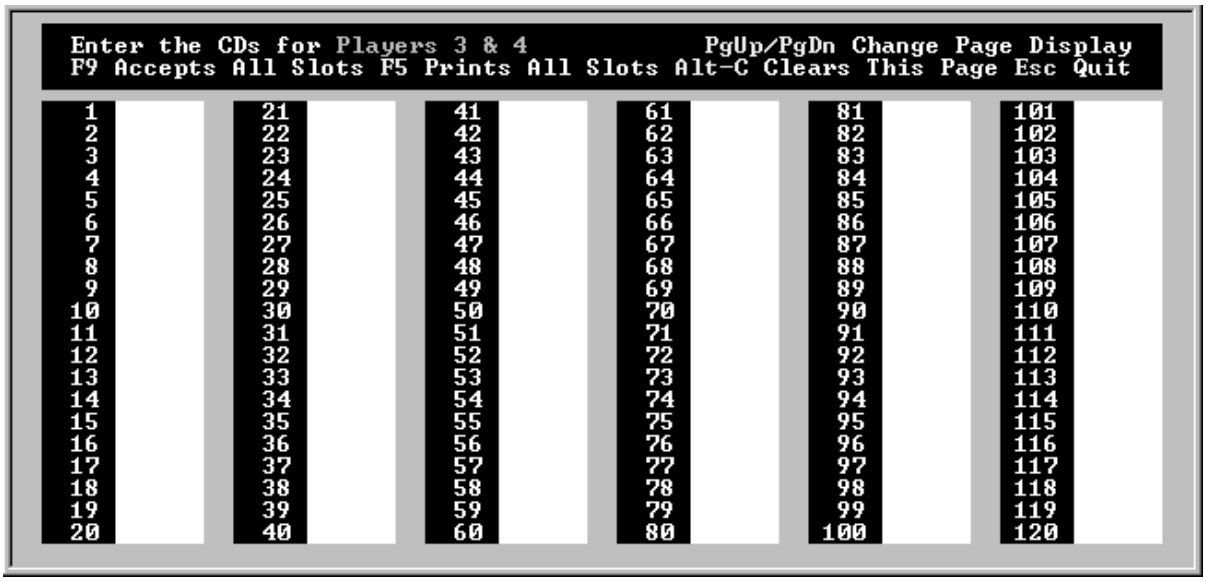

Figure 3-80 Tray Map Slots for a Sony CDK-3600— Page 1 of 3

Utilities for the UDS II—Revise or Review Tray Maps; Using Tray Maps, continued

➪ The second page of a Sony CDK-3600 tray map shows slots 121 through 240.

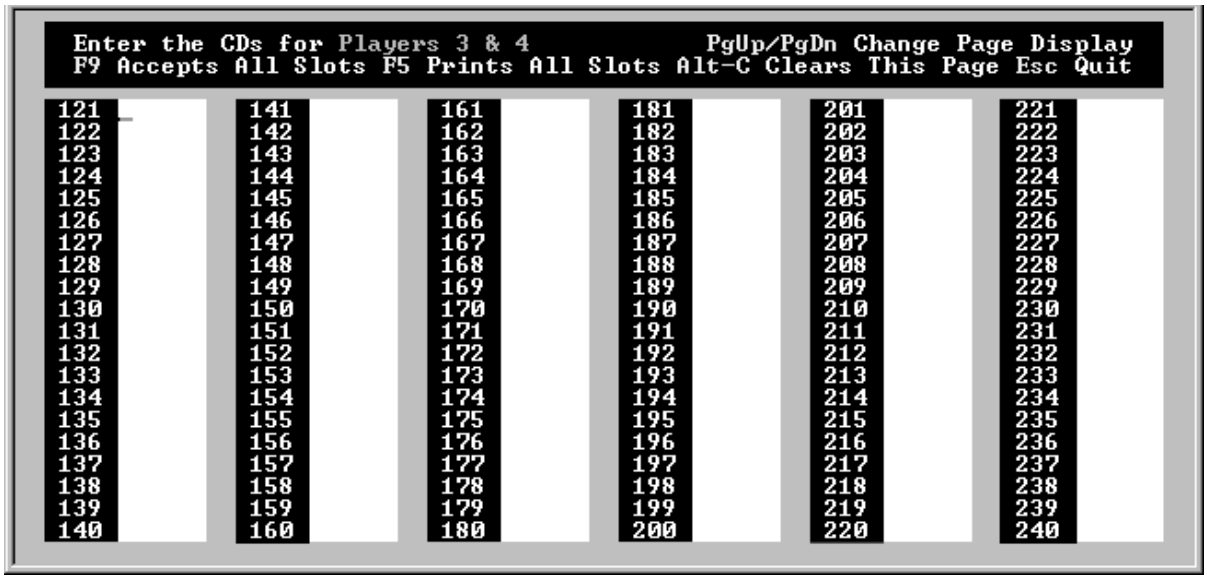

Figure 3-81 Tray Map Slots for a Sony CDK-3600— Page 2 of 3

➪ The third page of a Sony CDK-3600 tray map shows slots 241 through 360. Remember, use the PG UP and PG DN keys to move from page to page.

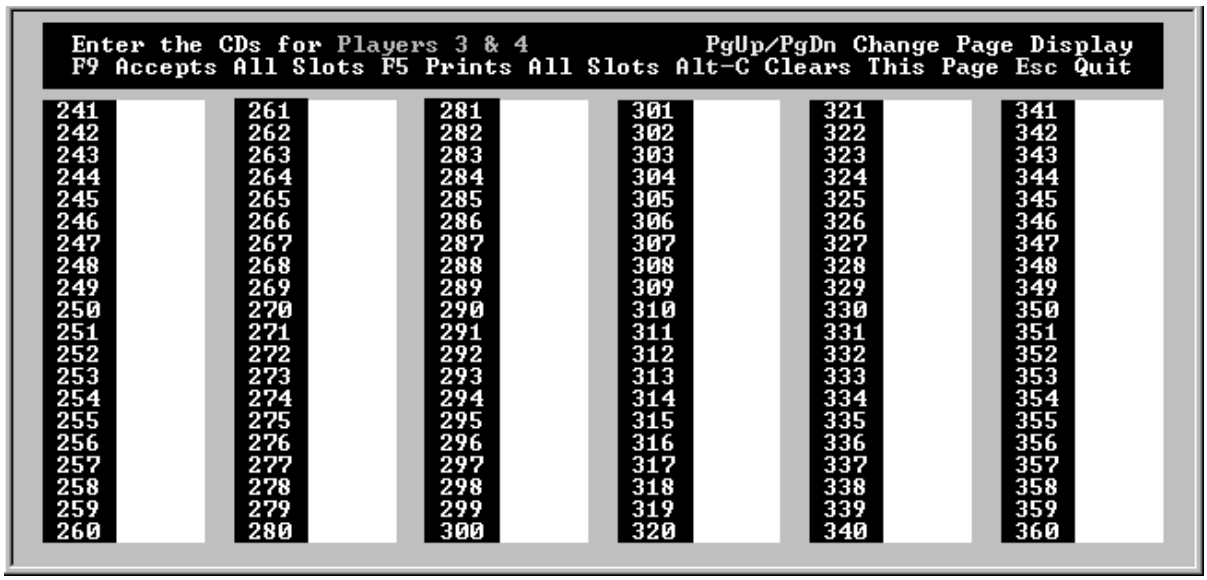

Figure 3-82 Tray Map Slots for a Sony CDK-3600— Page 3 of 3

Utilities for the UDS II—Revise or Review Tray Maps; Using Tray Maps, continued

➪ If you entered a source number for a Denon 1400 CD player, the program displays slot numbers 1 through 200 across two pages. The first shows slots 1 through 100, inclusive. Use the PG DN and PG UP keys to move from page to page.

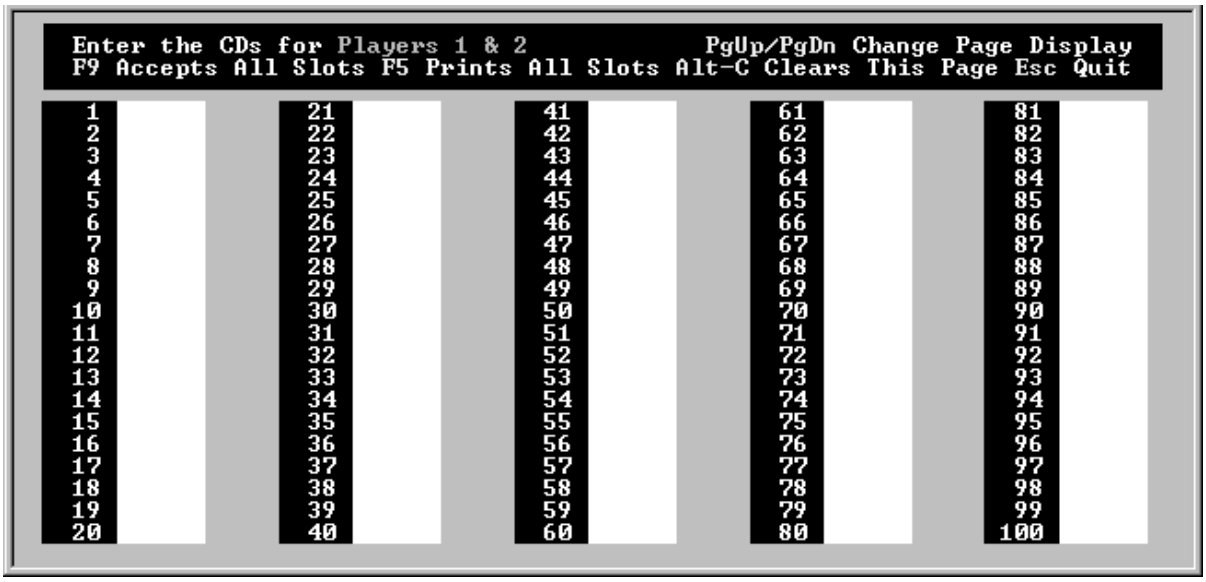

Figure 3-83 Tray Map Slots for a Denon 1400— Page 1 of 2

➪ The second page of a Denon 1400 tray map shows slots 101 through 200, inclusive.

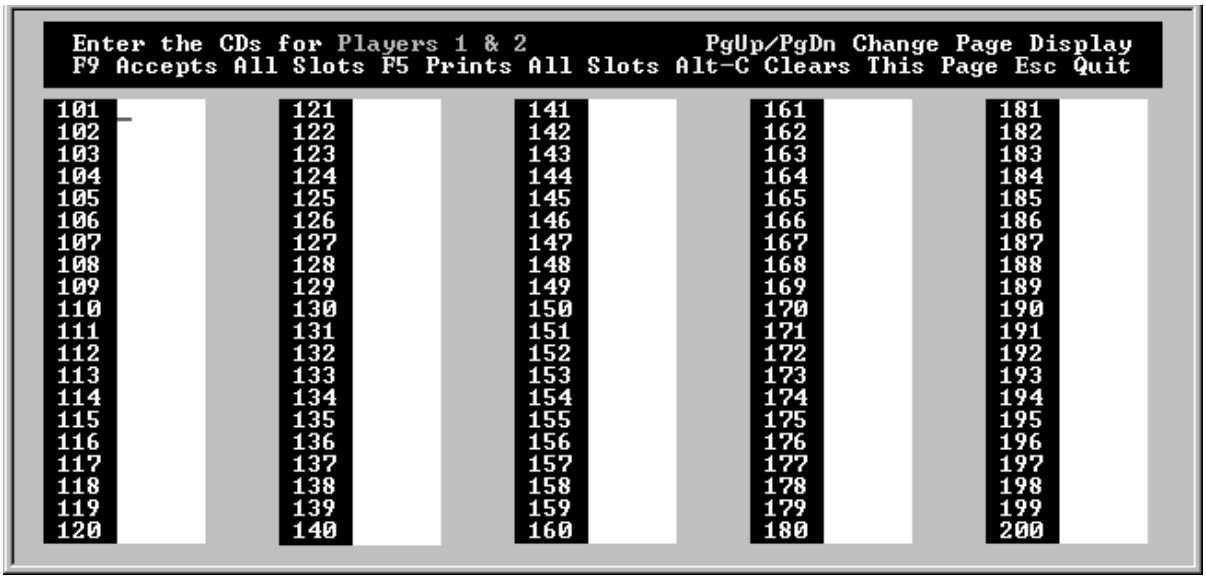

Figure 3-84 Tray Map Slots for a Denon— Page 2 of 2

Utilities for the UDS II—Revise or Review Tray Maps; Using Tray Maps, continued

3. Type the CD identifier number for each CD in the corresponding slot of the tray map.

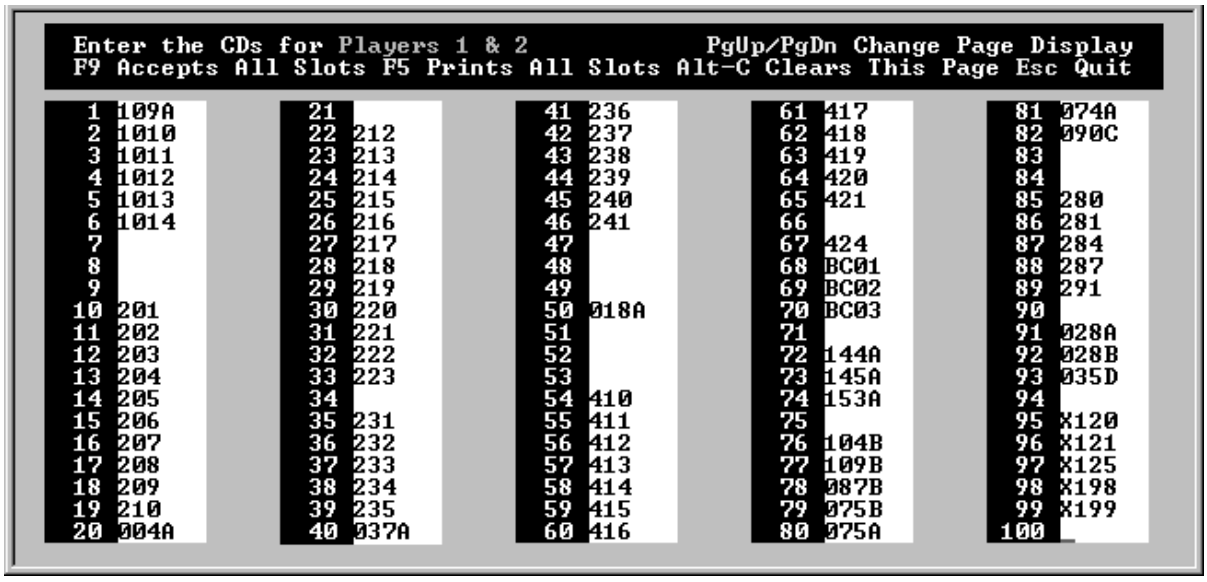

Figure 3-85 Tray Map Example Using Denon 1400

Refer to the following chart to help you move the highlight quickly from slot to slot until you have entered all of the CD identifiers for this CD changer.

Movement Command	*Key to Press*
Move highlight to *next slot*	↓ or ENTER
Move highlight to *previous slot*	↑
Move highlight one column *right*	→
Move highlight one column *left*	SHIFT →
Move highlight to *next page*	PG DN
Move highlight to *previous page*	PG UP
Move highlight to *first* slot on this page	CTRL HOME
Move highlight to *last* slot on this page	CTRL END

4. After the disc identifiers for every CD in this CD player have been entered, press F9 to save the tray map for this machine and update the source number information in Powergold 2000's music library.

Utilities for the UDS II—Revise or Review Tray Maps; Using Tray Maps, continued

5. After saving the tray map information, press ESC to return to the Tray Map CD player selection window.

6. Repeat steps 2 through 5 until all tray map information for each CD source has been entered.

Pressing ESC ends the entry process, canceling any changes made since the tray maps were last saved with F9.

📖 See *Notes on Using Duplicate Libraries* beginning on page 3-156 for details on using duplicate music libraries with UDS II.

IMPORTANT! Removing a CD from a UDS II Tray Map *does not* remove the source number information from Powergold 2000. If you wish to remove songs from the UDS II music library, you *must* remove them from Powergold 2000 and transfer the update via the NEWADDS.DB report.

📖 See *Maintaining the UDS II Music Library* starting on page 3-62 for details on the proper procedure for removing a CD from the tray maps.

📖 If you encountered any problems assigning your tray maps, you may want to refer to the *Notes on Tray Maps* section on page 3-156 or the *Fixing Common Tray Maps Errors* section on page 3-157.

Utilities for the UDS II—Revise or Review Tray Maps, continued

Printing Tray Maps

Print your tray maps to have a guide for when you are physically placing the CDs into the CD players.

To print all tray maps in use:

1. From the Utilities menu, press R to select Revise or Review Tray Maps.
2. Make sure the printer is on-line and loaded with paper.
3. From the Tray Map CD player selection window, press F5 to print all active Tray Maps.
4. Press ESC to return to the System Access menu.

To print a specific tray map:

1. From the Utilities menu, press R to select Revise or Review Tray Maps.
2. From the Tray Map CD player selection window, type the appropriate CD player number in the entry field and press ENTER to accept the entry.
3. Make sure the printer is on-line and loaded with paper.
4. From the CD player tray map, press F5 to begin printing this tray map.

   The data subdirectory name is printed with the tray maps. This is especially helpful for users with multiple installations of Powergold 2000 and the Utilities for the UDS II.

Utilities for the UDS II—Revise or Review Tray Maps, continued

Notes on Tray Maps

- Only the disc identifier should be entered. The cut numbers must *not* be entered in the tray maps.
- Deleting a CD identifier from the tray maps will not clear the source number field in Powergold 2000.
- All of the entries for the displayed tray map may be cleared by pressing ALT C and then F9. Remember, the source number field in Powergold 2000's music library is *not cleared.*
- The tray maps must be accurately maintained to reflect the exact position of each CD in the system. A new copy of the tray maps is transferred from your Powergold 2000 computer to the UDS II each time you transfer a new schedule.
- 🕮 For more information on keeping the music library up to date, please refer to the *Powergold 2000 User's Manual*.

Notes on Using Duplicate Libraries

- If you are using duplicate music libraries, changes saved in the lower-numbered CD player in a duplicate system are automatically made in the higher-numbered CD player.

  For example, if you are using a 4-player duplicate library system, saving the tray maps for player 1 automatically updates player 2 and saving the tray maps for player 3 automatically updates player 4.

- If you are using an alternating-player duplicate library system, saving the tray maps for player 1 automatically updates the tray maps for player 2. You may not directly edit the tray maps for player 2 or any higher-numbered CD player in a duplicate library pair.

Utilities for the UDS II—Revise or Review Tray Maps, continued

Fixing Common Tray Map Errors

➪ `Source X is not in the tray map definition file.`

The CD player source number you entered (represented here by `X`) is not a valid CD player source number.

You must enter a source number that you defined when you configured the Tray Maps. This prevents the editing a tray map which does not correspond to an allocated source.

➪ `Tray Map program encountered corrupted data.`

The Tray Map program tried to update the Powergold 2000 music library but found the data unreadable.

Rebuild the music library from Powergold 2000. If this fails, restore the last Powergold 2000 backup or call Micropower for Powergold 2000 technical support.

➪ `Source X invalid. It must be 1 through 80.`

The source number you have entered (represented here by `X`) is not available as a CD changer source number. The source numbers above 80 have been reserved for breaknote commands and special UDS II functions. Choose another source number.

This error message appears only if you are in the process of the configuring the tray maps or initializing the Utilities for the UDS II.

➪ `Jukebox Y is a mirror image of X.`

The source number you entered (represented by `Y`) is for a CD source that is a duplicate of another CD changer (represented by `X`).

If you wish to edit the CD identifiers in the CD changer on source Y, you must make these changes in the tray map for the CD changer on source X. These edits will affect both CD changers and both tray maps will be updated automatically.

Utilities for the UDS II—System Maintenance

S System Maintenance

This function allows you to create new music libraries for the UDS II, update the UDS II music library, backup and restore Utilities configuration files, restore previous schedule files, and license the Utilities for the UDS II for use on this Powergold 2000 scheduling computer.

Getting Started

1. From the Utilities menu, press S to select System Maintenance.

   The System Maintenance menu appears.

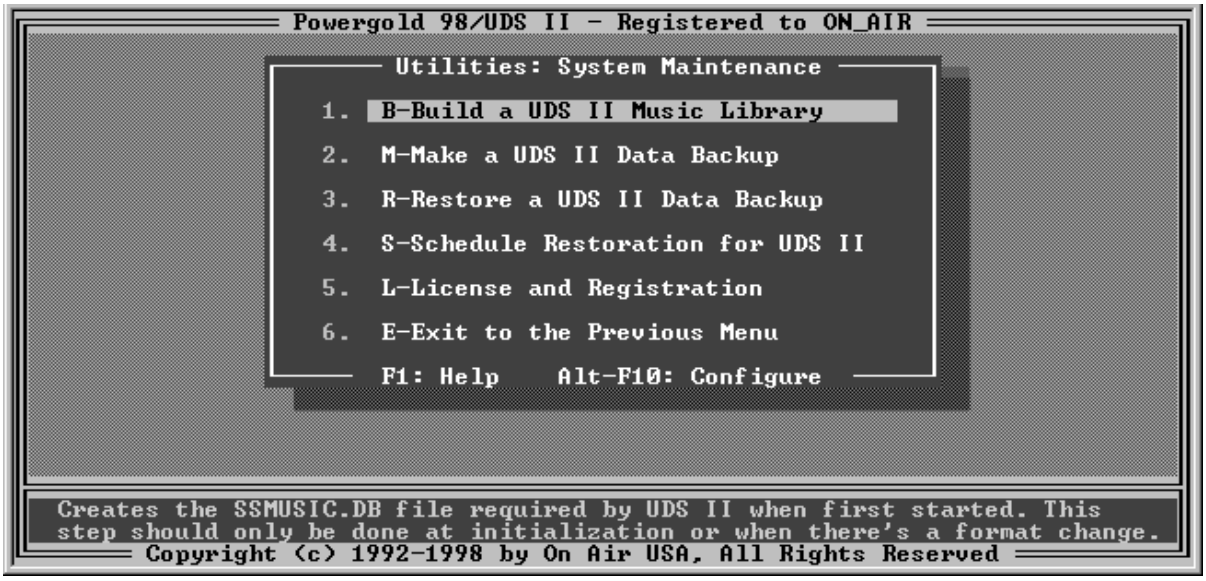
Powergold 98/UDS II - Registered to ON_AIR
Utilities: System Maintenance
1. B-Build a UDS II Music Library
2. M-Make a UDS II Data Backup
3. R-Restore a UDS II Data Backup
4. S-Schedule Restoration for UDS II
5. L-License and Registration
6. E-Exit to the Previous Menu
F1: Help Alt-F10: Configure
Creates the SSMUSIC.DB file required by UDS II when first started. This step should only be done at initialization or when there's a format change.
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Figure 3-86 System Maintenance Menu

2. From the System menu, press the key corresponding to the feature you wish to use. Or you may use the ↑ and ↓ keys to highlight the feature and press ENTER to execute it.

   - ➪ To build a new UDS II music library, press B. Details begin on page 3-159.
   - ➪ To backup the UDS II-related data files, press M. Details begin on page 3-163.
   - ➪ To restore the UDS II-related data files, press R. Details begin on page 3-166.
   - ➪ To use the schedule restoration feature, press S. Details begin on page 3-169.
   - ➪ To license and register the Utilities, press L. Details begin on page 3-171.

Utilities for the UDS II—System Maintenance, continued

B—Build a New UDS II Music Library

Note: This option is used only when you are first setting up the UDS II or you wish to make a large number of changes (50 or more) at any one time in your music library. After initial music library installation, Powergold 2000 and the Utilities work together every day to keep the UDS II music library accurate and up-to-date.

📖 If these directions look familiar, it is because you used a similar sequence of steps to create your initial UDS II music library in the *Create the UDS II Music Library Database* section beginning on page 3-62 of this chapter.

Follow these steps to build the new UDS II music library file:

1. From the Utilities for the UDS II main menu, press S to choose System Maintenance.
2. From the System Maintenance menu, press B to choose Build a UDS II Music Library.
3. The Utilities prompt you `Create music library?` (y/N). Press Y to build the new UDS II music library file.

   The Utilities count songs as they converts the Powergold 2000 music library into the `SSMUSIC.DB` file that will be loaded into the UDS II control computer.

   When the conversion process is complete, you can view or copy the converted file.

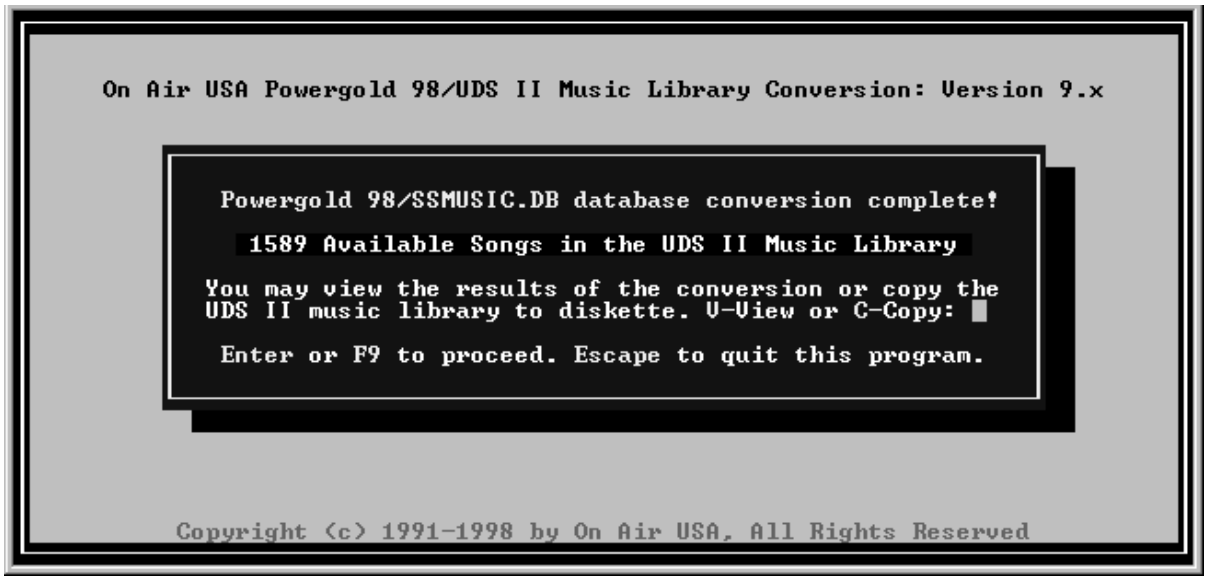
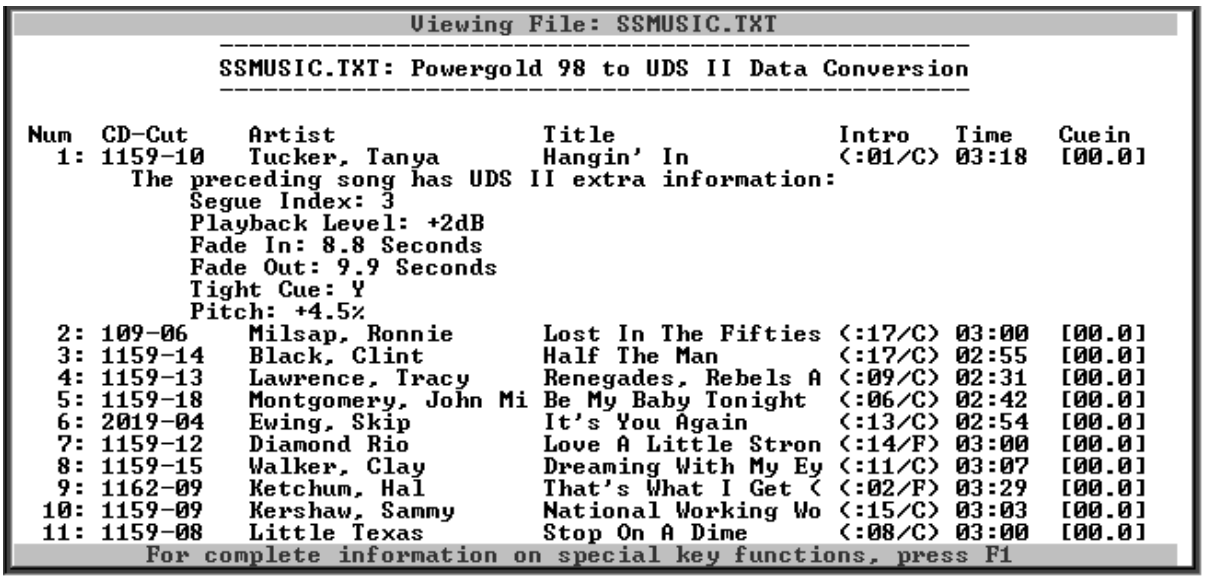

On Air USA Powergold 98/UDS II Music Library Conversion: Version 9.x
Powergold 98/SSMUSIC.DB database conversion complete!
1589 Available Songs in the UDS II Music Library
You may view the results of the conversion or copy the UDS II music library to diskette. V-View or C-Copy:
Enter or F9 to proceed. Escape to quit this program.
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-87 Build— Music Library Conversion View/Copy Select Screen

Utilities for the UDS II—System Maintenance; Build a New UDS II Music Library, continued

6. Visually confirm that your music library was properly converted by pressing V ENTER to view a text copy of the SSMUSIC.DB data file.



```
                    Viewing File: SSMUSIC.TXT
                    ------------------------------------------------
                    SSMUSIC.TXT: Powergold 98 to UDS II Data Conversion
                    ------------------------------------------------

Num  CD-Cut    Artist              Title                Intro    Time   Cuein
  1: 1159-10   Tucker, Tanya       Hangin' In           (:01/C) 03:18  [00.0]
       The preceding song has UDS II extra information:
            Segue Index: 3
            Playback Level: +2dB
            Fade In: 8.8 Seconds
            Fade Out: 9.9 Seconds
            Tight Cue: Y
            Pitch: +4.5%
  2: 109-06    Milsap, Ronnie      Lost In The Fifties (:17/C) 03:00  [00.0]
  3: 1159-14   Black, Clint        Half The Man        (:17/C) 02:55  [00.0]
  4: 1159-13   Lawrence, Tracy     Renegades, Rebels A (:09/C) 02:31  [00.0]
  5: 1159-18   Montgomery, John Mi Be My Baby Tonight  (:06/C) 02:42  [00.0]
  6: 2019-04   Ewing, Skip         It's You Again      (:13/C) 02:54  [00.0]
  7: 1159-12   Diamond Rio         Love A Little Stron (:14/F) 03:00  [00.0]
  8: 1159-15   Walker, Clay        Dreaming With My Ey (:11/C) 03:07  [00.0]
  9: 1162-09   Ketchum, Hal        That's What I Get ( (:02/F) 03:29  [00.0]
 10: 1159-09   Kershaw, Sammy      National Working Wo (:15/C) 03:03  [00.0]
 11: 1159-08   Little Texas        Stop On A Dime      (:08/C) 03:00  [00.0]
        For complete information on special key functions, press F1
```

Figure 3-88 Build— Sample View of a Converted Music Library

Press ESC to return to the View/Copy select screen when you are satisfied that the conversion was a success.

7. From the View/Copy select screen, press C ENTER to begin the database copying process.

8. Select the drive to which you wish to copy the database file.

   ➪ To copy the file to a diskette, type A ENTER or B ENTER, depending on whether the diskette is in the A: or B: diskette drive, respectively.

> **IMPORTANT**: If transferring the database file by diskette you must ensure that this diskette can be used by both the Powergold 2000 and the UDS II computers. Most UDS II computers use 3.5" 1.44Mb diskettes.

Utilities for the UDS II—System Maintenance; Build a New UDS II Music Library, continued

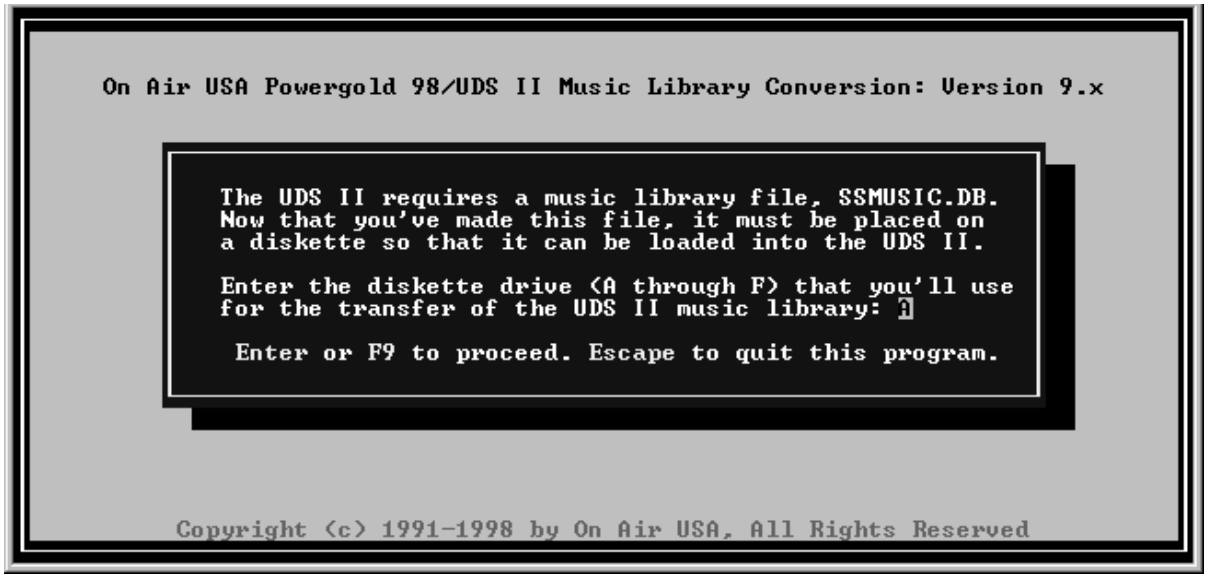

On Air USA Powergold 98/UDS II Music Library Conversion: Version 9.x
The UDS II requires a music library file, SSMUSIC.DB.
Now that you've made this file, it must be placed on
a diskette so that it can be loaded into the UDS II.
Enter the diskette drive (A through F) that you'll use
for the transfer of the UDS II music library:
Enter or F9 to proceed. Escape to quit this program.
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-89 Build— Music Library Conversion Drive Selection Screen

- To copy the file to a network drive, type the drive letter you have set up for UDS II schedule transfer on your local area network and press ENTER. The Utilities ask you to specify the destination path of the file. Press ENTER to accept the configured path and copy the new music library file to the UDS II schedule transfer directory.

The Utilities take a moment to compress the database into a self-extracting executable file called `SSMUSIC.EXE` then copy that file to the destination you specified.

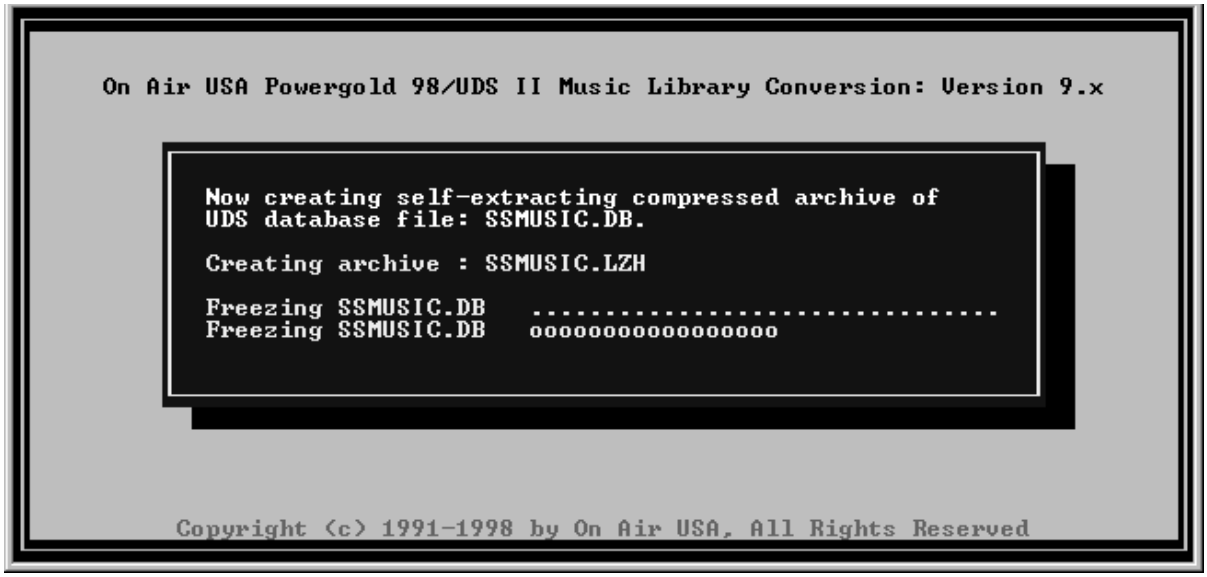

On Air USA Powergold 98/UDS II Music Library Conversion: Version 9.x
Now creating self-extracting compressed archive of
UDS database file: SSMUSIC.DB.
Creating archive : SSMUSIC.LZH
Freezing SSMUSIC.DB .....
Freezing SSMUSIC.DB ooooooooooooooooo
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-90 Build— Music Library File Compression and Copying

Utilities for the UDS II—System Maintenance; Build a New UDS II Music Library, continued

9. When the `SSMUSIC.EXE` file has been successfully copied, press SPACE to continue.

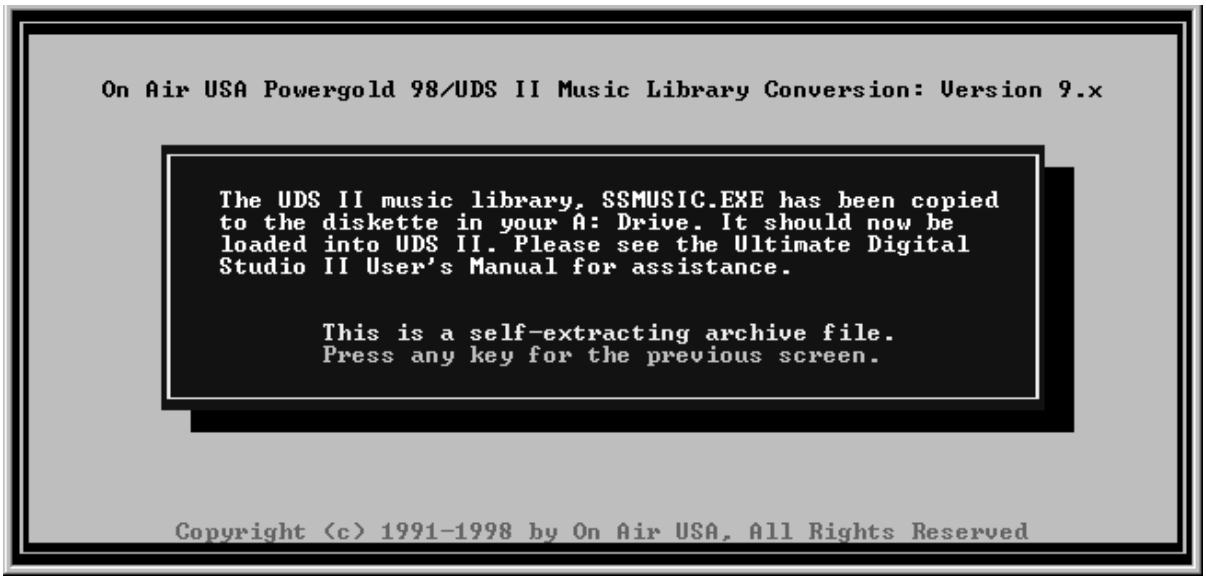

On Air USA Powergold 98/UDS II Music Library Conversion: Version 9.x
The UDS II music library, SSMUSIC.EXE has been copied to the diskette in your A: Drive. It should now be loaded into UDS II. Please see the Ultimate Digital Studio II User's Manual for assistance.
This is a self-extracting archive file.
Press any key for the previous screen.
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Figure 3-91 Build— Music Library Copying Completed

10. Press ESC twice to return to the Utilities for the UDS II main menu.

📖 For details on installing this music library on the UDS II control computer, see *Installing the UDS II Music Library* in Chapter Four of this manual.

Utilities for the UDS II—System Maintenance, continued

M—Make a UDS II Data Backup

This option allows you to archive the Utilities for the UDS II-specific data files from your hard drive to a diskette for safe keeping. This data includes the Utilities and the Merge configuration files, your tray maps, and the latest schedule.

A data backup preserves information not saved by a Powergold 2000 data backup. If you wish to move Powergold 2000 and the Utilities to another computer, or if you have difficulties with your current Powergold 2000 computer, this backup allows you to resume normal operations quickly and with a minimum of trouble.

1. From the System menu, press M to select Make a UDS II Data Backup.

   The UDS II Data Files Backup screen appears.

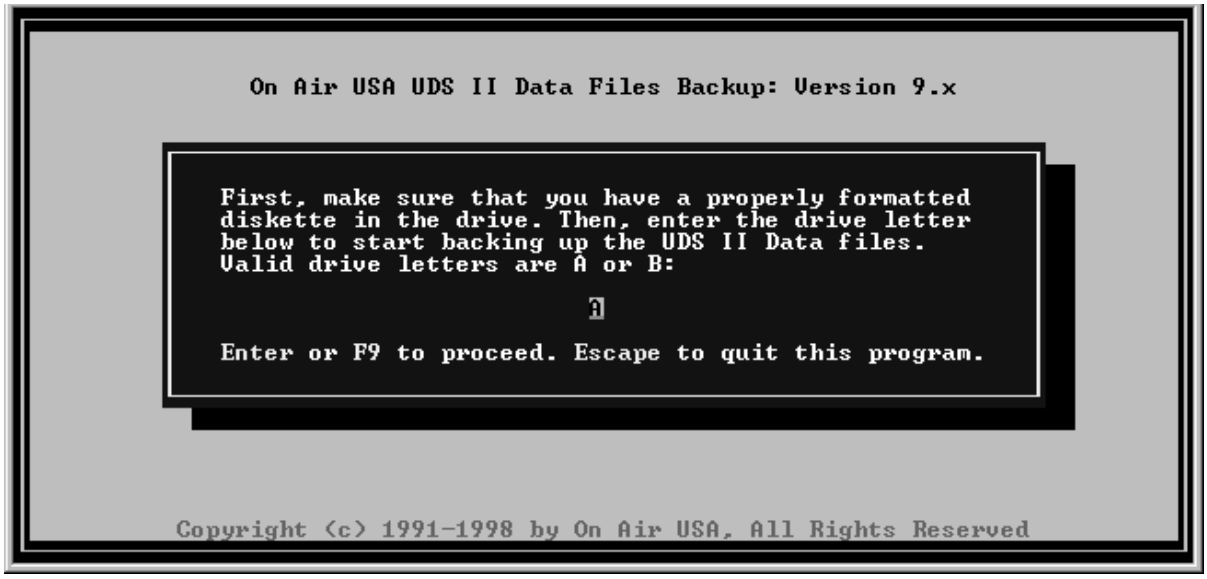
On Air USA UDS II Data Files Backup: Version 9.x
First, make sure that you have a properly formatted diskette in the drive. Then, enter the drive letter below to start backing up the UDS II Data files.
Valid drive letters are A or B:
A
Enter or F9 to proceed. Escape to quit this program.
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Figure 3-92 Make Backup— Drive Selection Screen

2. From the UDS II Data Files Backup screen, type the letter for the diskette drive where you placed the backup diskette and press ENTER.

   For example, if the diskette is in the A: drive, type A ENTER.

Utilities for the UDS II—System Maintenance; Make a UDS II Data Backup, continued

3. The program warns you that you are about to delete all files currently on the backup diskette and asks you if you are sure you wish to proceed.

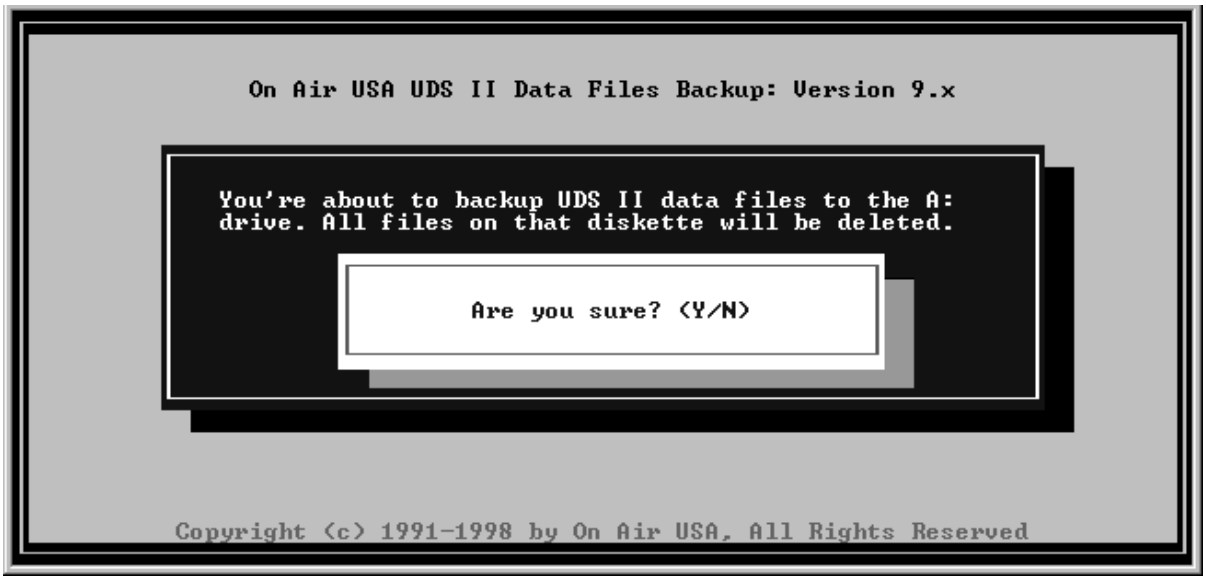
On Air USA UDS II Data Files Backup: Version 9.x
You're about to backup UDS II data files to the A: drive. All files on that diskette will be deleted.
Are you sure? (Y/N)
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-93 Make Backup— File Deletion Confirmation

4. Press Y to proceed with the backup.

5. The Backup feature compresses the data so it may be stored on one diskette.

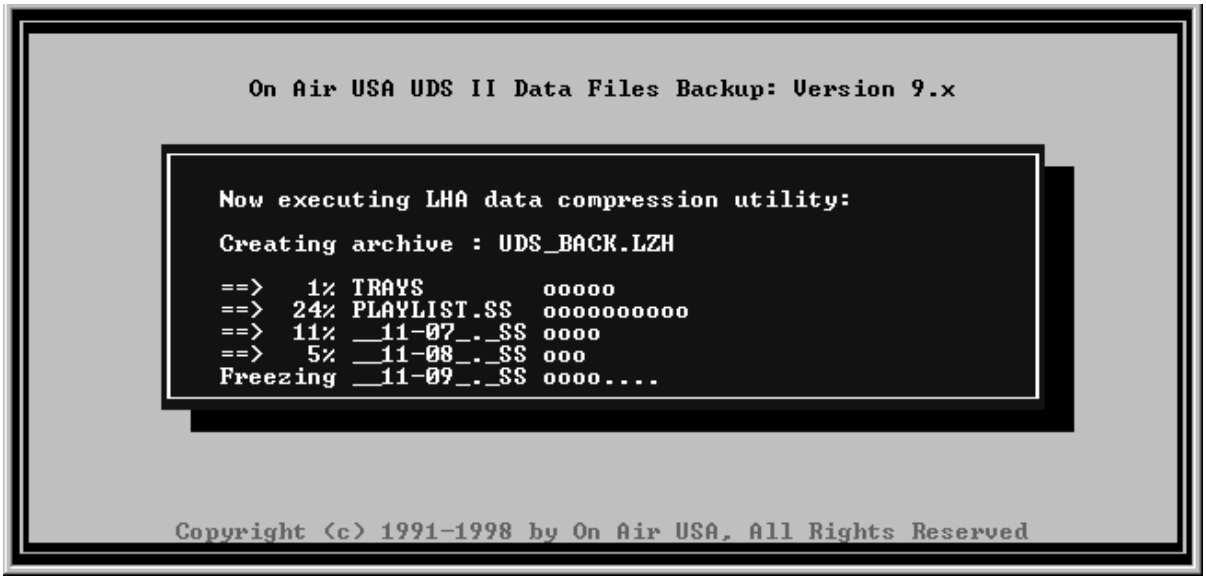
On Air USA UDS II Data Files Backup: Version 9.x
Now executing LHA data compression utility:
Creating archive : UDS_BACK.LZH
==> 1% TRAYS ooooo
==> 24% PLAYLIST.SS oooooooooo
==> 11% __11-07_._SS oooo
==> 5% __11-08_._SS ooo
Freezing __11-09_._SS oooo....
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-94 Make Backup— File Compression In Progress

Utilities for the UDS II—System Maintenance; Make a UDS II Data Backup, continued

The UDS II data file backup is copied to the diskette.

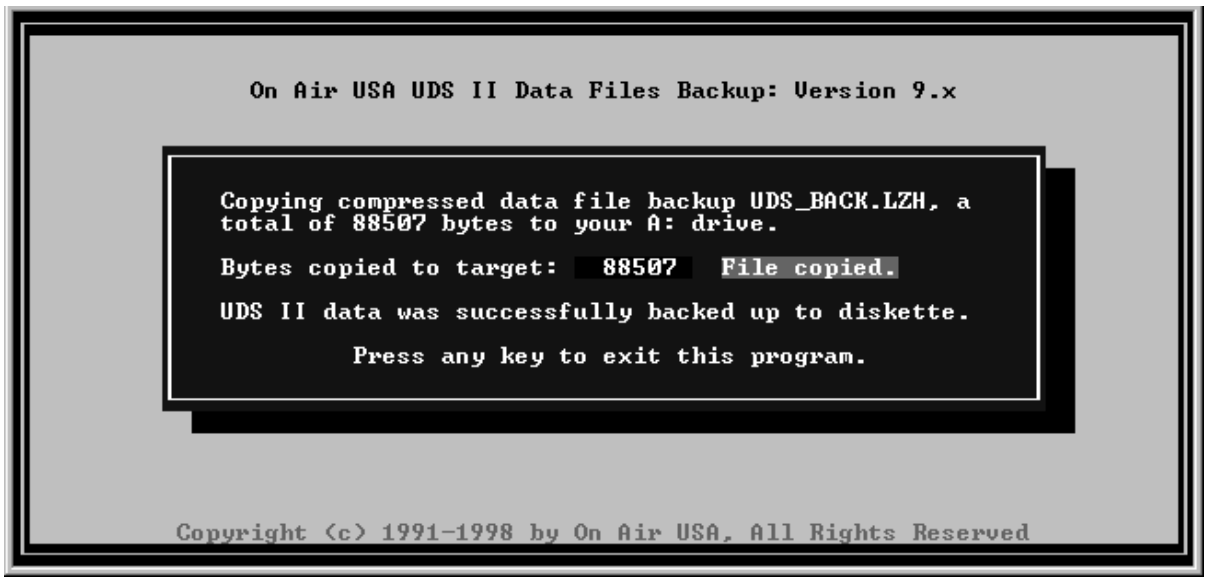
On Air USA UDS II Data Files Backup: Version 9.x
Copying compressed data file backup UDS_BACK.LZH, a total of 88507 bytes to your A: drive.
Bytes copied to target: 88507 File copied.
UDS II data was successfully backed up to diskette.
Press any key to exit this program.
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Figure 3-95 Make Backup— Data Backup Completed

6. Press any key to return to the System Maintenance menu.

Be sure to store this diskette in a safe place in the unlikely event that you need to restore this data after a computer malfunction. You should use this backup utility at least once per week to ensure that you always have a recent copy of your tray maps, playlists, and configuration files. This backup will greatly speed your recovery in the event of a data loss.

Utilities for the UDS II—System Maintenance, continued

R—Restore a UDS II Data Backup

This option allows you to restore the information stored by the Make a UDS II Data Backup option from the diskette to your hard drive. This lets you quickly resume operations after a data loss or when you change music scheduling computers.

1. From the System menu, press R to select Restore a UDS II Data Backup.

   The UDS II Data Files Restore screen appears.

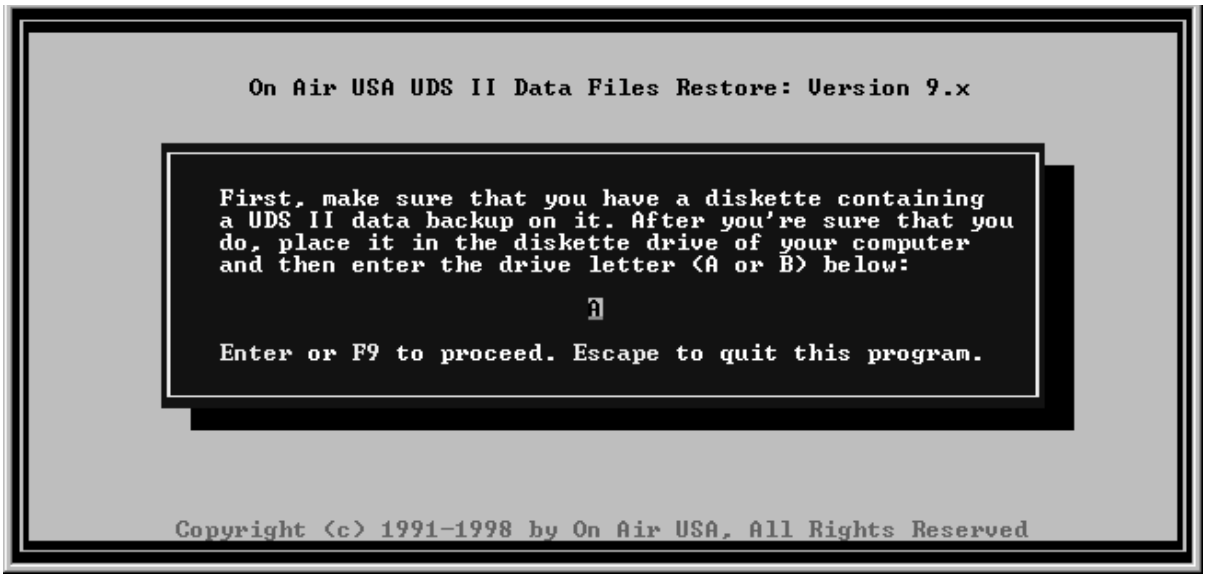
On Air USA UDS II Data Files Restore: Version 9.x
First, make sure that you have a diskette containing a UDS II data backup on it. After you're sure that you do, place it in the diskette drive of your computer and then enter the drive letter (A or B) below:
A
Enter or F9 to proceed. Escape to quit this program.
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-96 Restore Backup— Drive Selection Screen

2. From the UDS II Data Files Restore screen, type the letter for the diskette drive where you placed the UDS II data backup diskette and press ENTER.

   For example, if the diskette is in the A: drive, type A ENTER.

Utilities for the UDS II—System Maintenance; Restore a UDS II Data Backup, continued

3. The program displays the date the files on the backup diskette were created and asks you if you are sure this is the backup you want to restore.

On Air USA UDS II Data Files Restore: Version 9.x
You're about to restore a UDS II data backup from drive A. The backup is from 18 November 1998 at 11:20.
Are you sure? (Y/N)
Copyright (c) 1991-1998 by On Air USA, All Rights Reserved

Figure 3-97 Restore Backup— Date Confirmation Screen

If you are sure this is the backup you want, press Y to proceed with the restoration. If this is not the backup diskette you want, press ESC to abort the Restore process.

4. The Restore feature expands the data from the diskette.

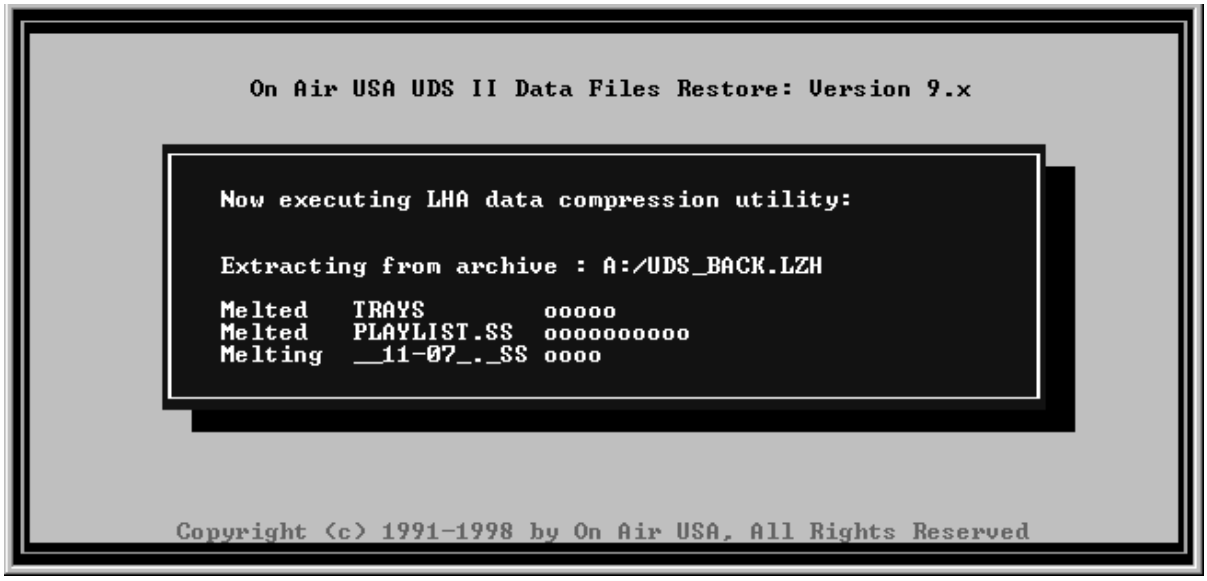
On Air USA UDS II Data Files Restore: Version 9.x
Now executing LHA data compression utility:
Extracting from archive : A:/UDS_BACK.LZH
Melted TRAYS ooooo
Melted PLAYLIST.SS oooooooooo
Melting __11-07_._SS oooo
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Figure 3-98 Restore Backup— File Decompression and Copying

Utilities for the UDS II—System Maintenance; Restore a UDS II Data Backup, continued

5. The Restore feature displays a message to let you the UDS II data files have been successfully restored.

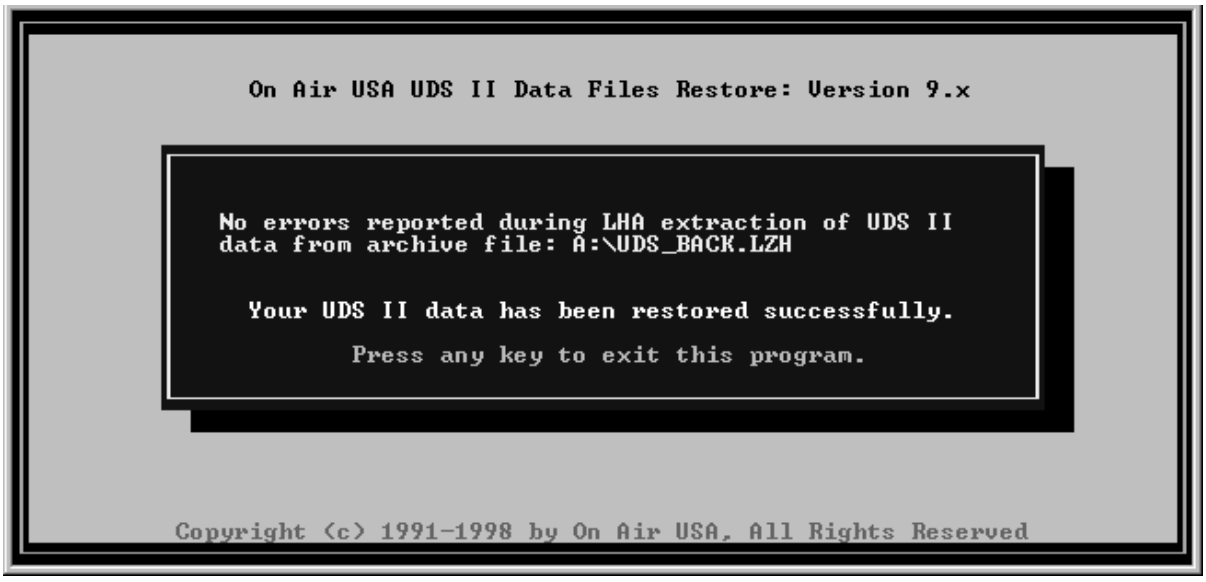
On Air USA UDS II Data Files Restore: Version 9.x
No errors reported during LHA extraction of UDS II data from archive file: A:\UDS_BACK.LZH
Your UDS II data has been restored successfully.
Press any key to exit this program.
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Figure 3-99 Restore Backup— Data Restoration Completed

6. Press any key to return to the System menu.

Utilities for the UDS II—System Maintenance, continued

S—Schedule Restoration for UDS II

The Schedule Restoration for UDS II utility allows you to restore a recent UDS II schedule from another day. The schedule you wish to restore must have been previously merged with a traffic log or edited using the UDS II Schedule Editor. The previous seven merged or edited schedules are available for restoration.

Note: When you choose to restore a UDS II schedule, the currently active schedule is overwritten. If this schedule has been merged or edited, it may be restored with this feature.

To use the Schedule Restoration feature, follow the steps outlined below:

1. From the System Maintenance menu, press S.

   A pick list appears listing available schedule dates. Highlight the schedule date you want to become the active schedule then press ENTER.

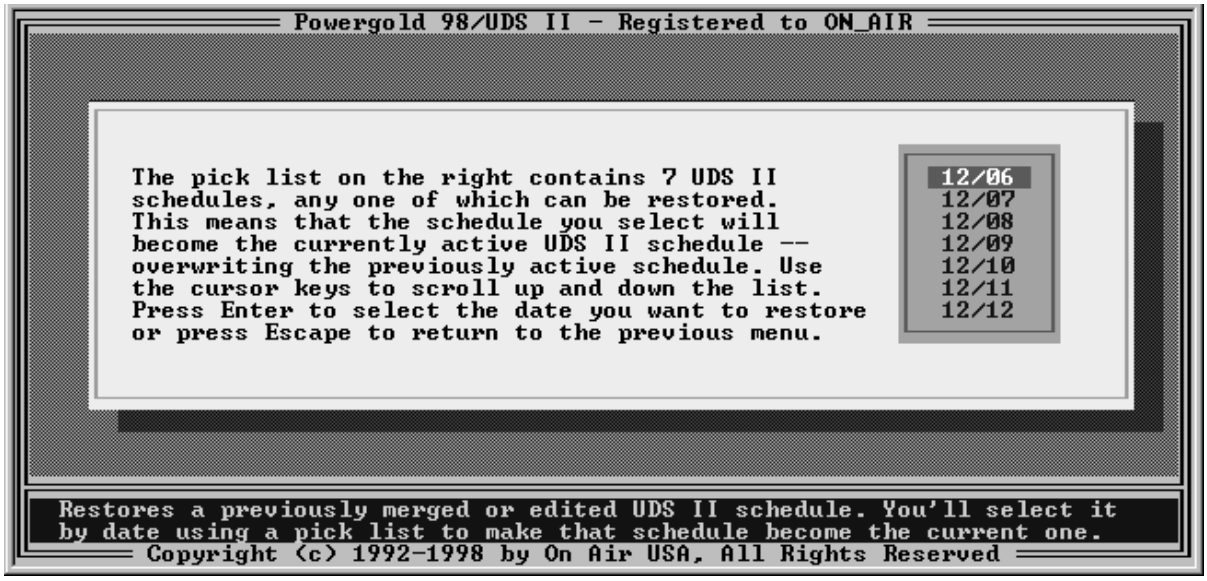
Powergold 98/UDS II - Registered to ON_AIR
The pick list on the right contains 7 UDS II schedules, any one of which can be restored. This means that the schedule you select will become the currently active UDS II schedule -- overwriting the previously active schedule. Use the cursor keys to scroll up and down the list. Press Enter to select the date you want to restore or press Escape to return to the previous menu.
12/06
12/07
12/08
12/09
12/10
12/11
12/12
Restores a previously merged or edited UDS II schedule. You'll select it by date using a pick list to make that schedule become the current one.
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Figure 3-100 Schedule Restoration— Date Selection Screen

Utilities for the UDS II—System Maintenance; Schedule Restoration for UDS II, continued

2. You are prompted to confirm the schedule date you have chosen.

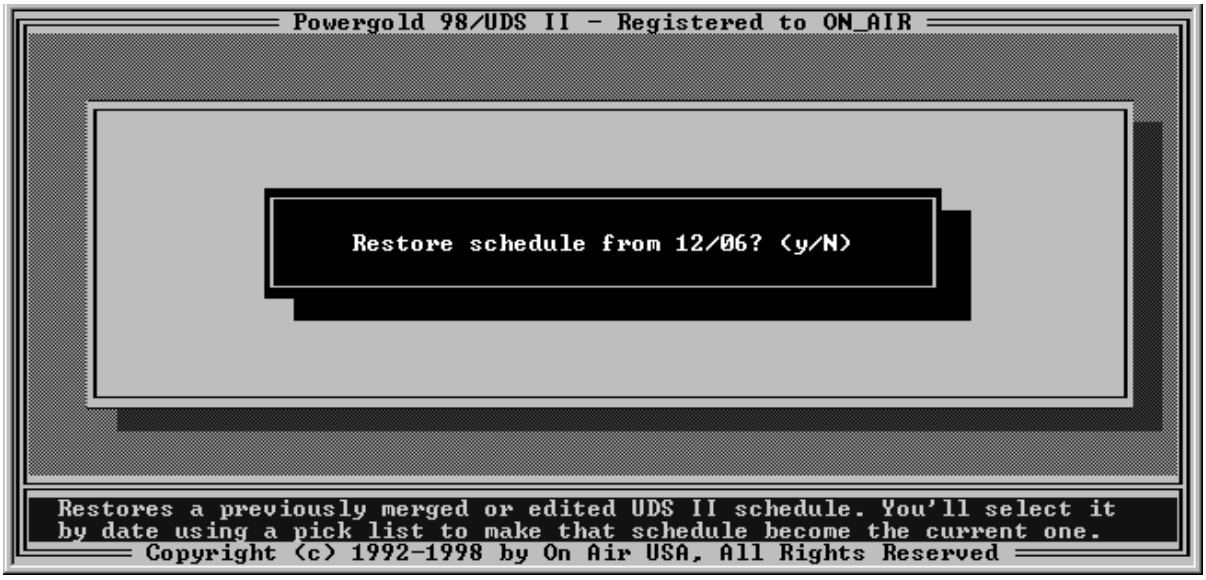
Powergold 98/UDS II - Registered to ON_AIR
Restore schedule from 12/06? (y/N)
Restores a previously merged or edited UDS II schedule. You'll select it by date using a pick list to make that schedule become the current one.
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Figure 3-101 Schedule Restoration— Date Confirmation

3. Type Y to confirm. When finished, the system informs you that the schedule from the selected date is now the currently active schedule.

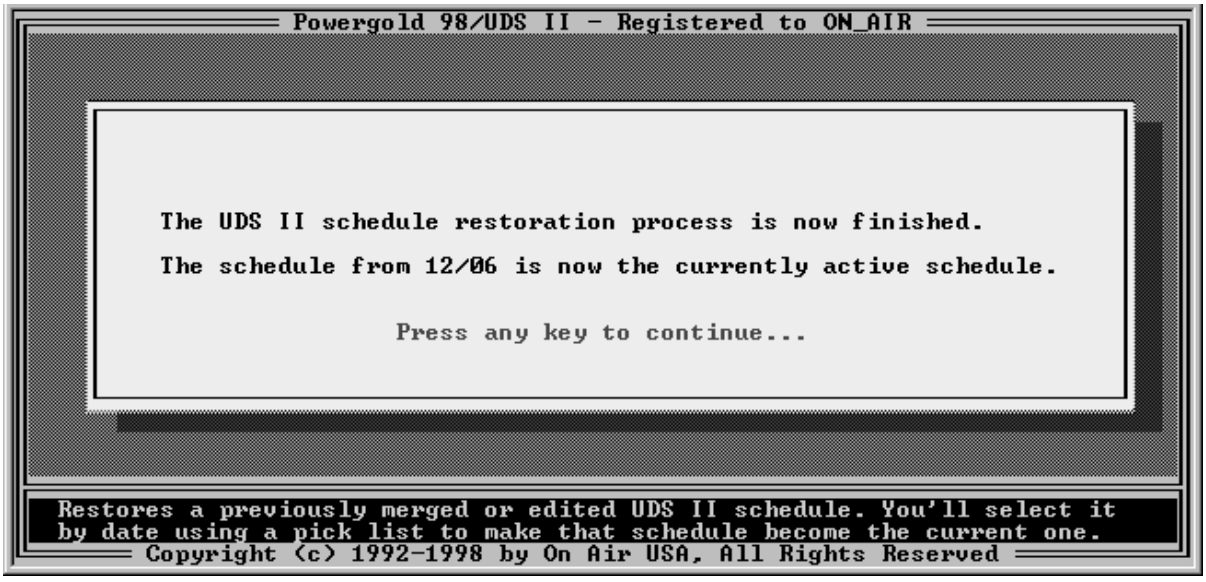
Powergold 98/UDS II - Registered to ON_AIR
The UDS II schedule restoration process is now finished.
The schedule from 12/06 is now the currently active schedule.
Press any key to continue...
Restores a previously merged or edited UDS II schedule. You'll select it by date using a pick list to make that schedule become the current one.
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Figure 3-102 Schedule Restoration— Restoration Completed

4. Press any key to return to the System Maintenance menu.

Utilities for the UDS II—System Maintenance, continued

L—License and Registration

Before you may use the Utilities on a new computer or after a re-installation due to data loss, you must call On Air Digital USA (or the On Air Digital representative in your country) to license and register this installation of the Utilities for the UDS II.

1. As directed by On Air Digital, enter your station call letters or company name and the proper license term. Press F2 to proceed.

2. The Registration program returns a registration code—read this number to the On Air Digital customer support person.

3. Enter the two code numbers given to you by the customer support person.

4. Press F2 to complete the licensing process.

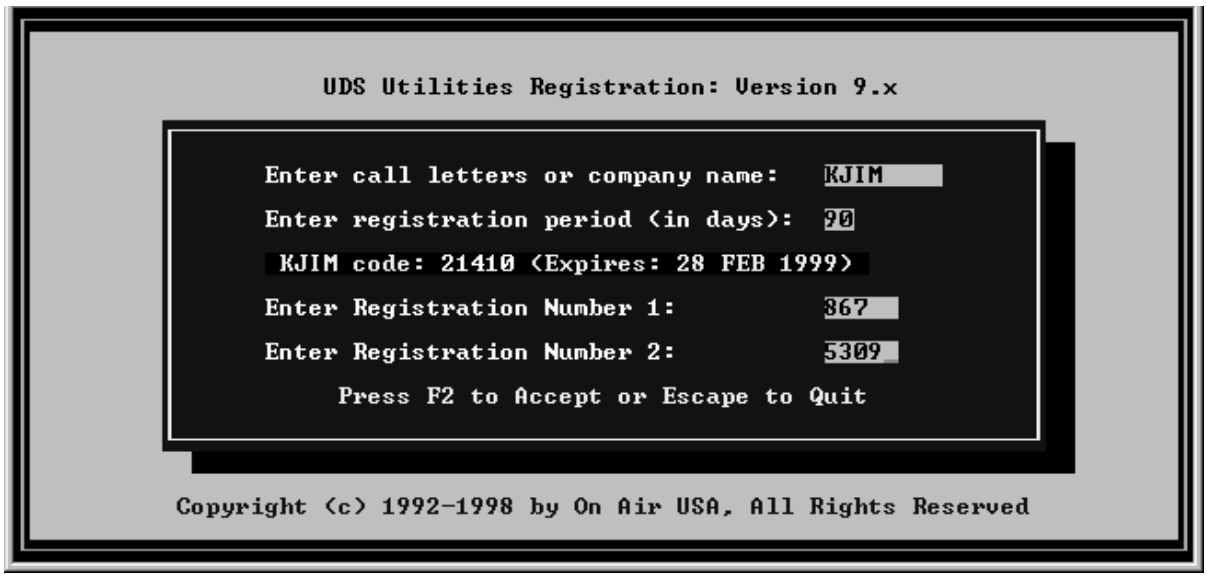
UDS Utilities Registration: Version 9.x
Enter call letters or company name: KJIM
Enter registration period (in days): 90
KJIM code: 21410 (Expires: 28 FEB 1999)
Enter Registration Number 1: 367
Enter Registration Number 2: 5309
Press F2 to Accept or Escape to Quit
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Figure 3-103 License and Registration Example

This concludes the in-depth look at the Utilities for the UDS II. The following pages cover scheduling for special CD and non-CD programming and special "flag files" to customize display options.

Technical Information

Customizing the Date Display

The Utilities for the UDS II support your computer's date display style. If the COUNTRY command is found in your computer's CONFIG.SYS file, then the date display will conform to your preferences. In many locations outside the USA, the display will become DD/MM (rather than MM/DD) automatically.

This *only* impacts the date displayed by the Utilities. The internal file structure still conforms to the MM/DD standard that the UDS II expects.

If you would rather override your current locale's date display and force the U.S.-style display, then you must create a *flag file.* A flag file is a file that alters the Utilities to a specific configuration. To force the use of U.S.-style dates, you must create a flag file with the DOS name of `US-DATES.UDS` in the Powergold 2000 program subdirectory.

If non-U.S. date styles are in effect, the UDS II Check program will display the phrase "International Version" on its title screen.

If the Utilities for the UDS II are installed on a drive other than C:, substitute that drive letter for C: in these instructions.

To create the flag file, follow the steps outlined below:

1. Exit Powergold 2000 to DOS.

   The prompt should look like this: `C:\>` or `C:\PG2KUTIL\>`

   If it does not, make sure you installed the Utilities for the UDS II in the C:\PG2KUTIL> subdirectory. If you installed Powergold 2000 and the Utilities in another subdirectory, substitute that subdirectory name for MUSIC in this example.

   However, if your prompt looks like this, C>, reveal the current directory by typing:

   P R O M P T SPACE $ P $ G ENTER

2. Type C D SPACE \ P G 2 K U T I L ENTER to change to the C:\PG2KUTIL\> prompt.

2. At the C:\PG2KUTIL> prompt, type:

   C O P Y SPACE C O N SPACE U S – D A T E S . U D S ENTER

   The cursor should move to the beginning of the next line.

3. Press ENTER twice.

Technical Information—Customizing the Date Display, continued

4. Press F6.

   Your computer will respond `^Z` (control-Z).

5. Press ENTER.

   You computer displays the message "`1 file(s) copied`."

   This lets you know the file has been created and the US-DATES feature has been enabled.

You are returned to the C:\MUSIC> prompt.

Other Flag Files

In addition of the US-DATES.UDS flag file, there are a number of other flag files that perform various functions. They are described below. All of these flag files are created by the same keystroke method shown for the US-DATES.UDS file. Simply substitute the new flag file name for US-DATES.UDS.

NOLINES.UDS

On a UDS II schedule, there are lines separating non-music elements from music events. If you do not want the lines to be printed to the line printer, this is the flag file for you. You will still see the lines when you view the file, but they will be suppressed from printing.

NOLVWARN.UDS

Some UDS II users knowingly schedule live sources back-to-back (realizing that they will be removed during the UDS II import process). If you wish to suppress the warnings emitted by the Utilities for the UDS II Check and Schedule Editor for back-to-back live sources in a PLAYLIST.SS file, use NOLVWARN.UDS as your flag file.

SECONDS.UDS

If you select to use the SECONDS.UDS flag file, the Utilities for the UDS II will display HH:MM:SS in all view and print reports that display the contents of PLAYLIST.SS. If the flag file is not present, then the default behavior is to display HH:MM.

__INTRO_.UDS

This file allows you to see the intro times of songs when viewing the UDS II schedule in the UDS II Check and UDS II Edit programs. The intro time, in seconds, appears in front of the title in the Title/Artist display field. If this flag file is not present, the intro times will be suppressed.

Technical Information—Other Flag Files, continued

PRN_PORT.UDS

This file allows you to direct printer output to an LPT port other than 1 or to permit the Utilities for the UDS II to use Microsoft Windows' print services. To configure this option, create an ASCII text file (named PRN_PORT.UDS) and place the appropriate text string (corresponding to the desired printer port) in the file. That printer port will then be used by the Revise or Review Tray Maps program, the UDS II Check program, and the UDS II Edit program for line printer output.

Text String	Printer Port
`1`	LPT1 (default)
`2`	LPT2
`3`	LPT3
`1-win`	LPT1 using Windows print services
`2-win`	LPT2 using Windows print services
`3-win`	LPT3 using Windows print services
`\\network\printer-win`	Uniform naming convention entry for a printer attached via local area network. (Replace the example text "\\network\printer"with actual resource name for your network printer and follow with "-win")

The following chart shows the common mistakes made when setting up this flag file.

Incorrect String	Problem
`5`	No such LPT port
`win-1`	Syntax is backwards; port number must come first
`\\network\print-name-win`	Extra dash in uniform naming convention entry
`\network\printer-win`	Missing slash in uniform naming convention entry
`e:\\network\printer-win`	Drive letter not part of uniform naming convention
`\\network\printer`	"-win" missing end of text string
`\\network\printer win`	Dash missing before "win"

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